

IBM WebSphere Commerce Analyzer



# Datamart Reference

*Version 5.5*



IBM WebSphere Commerce Analyzer



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*Version 5.5*

**Note**

Before using this information and the product it supports, read the information in "Notices" on page 199.

**First Edition, First Revision (September 2003)**

This edition applies to version 5.5 of IBM WebSphere Commerce Analyzer, and to all subsequent releases and modifications until otherwise indicated in new editions.

IBM welcomes your comments. You can send your comments by using the online IBM WebSphere Commerce documentation feedback form, available at the following URL:

<http://www-3.ibm.com/software/genservers/commerce/rcf.html>

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## About this book

This book provides reference information about the IBM® WebSphere® Commerce Analyzer, Version 5.5 (also called WebSphere Commerce Analyzer or WCA) datamart. See the *IBM WebSphere Commerce Analyzer, Version 5.5 Technical Reference* for information:

- Business questions and the datamart.
- Removing the datamart.
- Recreating the datamart.
- Customizing the datamart.

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## Conventions used in this book

This book uses the following highlighting conventions:

**Boldface type** indicates commands or graphical user interface (GUI) controls such as names of fields, buttons, or menu choices.

Monospace type indicates an example, text you type, or text that is displayed on the screen.

*Italic type* indicates new terms, book titles, CD labels, or variable information that must be replaced by an actual value.

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## Related information

*IBM WebSphere Commerce Analyzer, Version 5.5 Datamart Reference* and *IBM WebSphere Commerce Analyzer, Version 5.5 Technical Reference* are available from the WebSphere Commerce Web site:


- Business Edition:  
[http://www.ibm.com/software/webservers/commerce/wc\\_be/lit-tech-general.html](http://www.ibm.com/software/webservers/commerce/wc_be/lit-tech-general.html)
- Professional Edition:  
[http://www.ibm.com/software/webservers/commerce/wc\\_pe/lit-tech-general.html](http://www.ibm.com/software/webservers/commerce/wc_pe/lit-tech-general.html)
- WebSphere Commerce - Express:  
[www.ibm.com/software/commerce/express/](http://www.ibm.com/software/commerce/express/)

The *IBM WebSphere Commerce Analyzer, Version 5.5 Installation and Configuration Guide* and the README are also available from the Web site.

**Note:** The *IBM WebSphere Commerce Analyzer, Version 5.5 Installation and Configuration Guide* is also available on the *IBM WebSphere Commerce Analyzer* CD in the *locale* directory. After installation, the books for those locales that are installed can also be found on the WCA server in the %IWDA\_DIR%\doc\locale directory. The English books are installed in the %IWDA\_DIR%\doc\en\_US directory.

- *locale* is the locale of the computer. For example, for United States English the locale is en\_US.
- %IWDA\_DIR% is an environment variable that represents the Windows® directory where WCA is installed. By default, this directory is:  
C:\Program Files\IBM\WCA

The following table shows the documentation provided with WCA, along with descriptions and file names.

Book	Description	PDF File name
<i>IBM WebSphere Commerce Analyzer, Version 5.5 Installation and Configuration Guide</i>	Provides information that is required to install and configure the WCA server.	install.pdf
<i>IBM WebSphere Commerce Analyzer, Version 5.5 Technical Reference</i>	Provides information about the following topics: <ul style="list-style-type: none"> <li>• Maintaining the WCA server</li> <li>• Solving problems that might occur</li> <li>• Improving performance</li> <li>•  Using IBM DB2® Intelligent Miner™ for Data</li> <li>• Contains information for the System Administrator about: <ul style="list-style-type: none"> <li>– Customer scenarios</li> <li>– Extending the database schema (adding to the business reports; this might be adding fields to the WCA datamart or, more often, adding a report)</li> <li>– Customizing the database schema by adding to the business reports, adding a report, or changing the schema provided with WCA)</li> </ul> </li> </ul>	techref.pdf
README file	Provides last-minute information about WCA	README.txt

You can use Adobe Acrobat Reader to view the PDF files. Go to [www.adobe.com](http://www.adobe.com) for information about Adobe Acrobat Reader.

For information about WebSphere Commerce, see the following documents:

- *IBM WebSphere Commerce Quick Beginnings*
- *IBM WebSphere Commerce Installation Guide*
- *IBM WebSphere Commerce Fundamentals*

## Support Web sites

Check the WebSphere Commerce Web site for WebSphere Commerce FixPaks. Any updates to WCA will be included in the WebSphere Commerce FixPaks:

- [www.ibm.com/software/commerce/support/](http://www.ibm.com/software/commerce/support/)

Updates to this guide are found at at:

- [www.ibm.com/software/commerce/library/](http://www.ibm.com/software/commerce/library/)

See the following Web sites for support information about products that work with WCA 5.5:

**IBM DB2 Universal Database™ Enterprise Server Edition**  
[www.ibm.com/software/data/db2/udb/support.html](http://www.ibm.com/software/data/db2/udb/support.html)

 **IBM DB2 Intelligent Miner for Data**  
[www.ibm.com/software/data/iminer/fordata/support.html](http://www.ibm.com/software/data/iminer/fordata/support.html)



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## Chapter 1. What is WebSphere Commerce Analyzer?

IBM WebSphere Commerce Analyzer, Version 5.5 (also called WCA) is an optionally installable feature of WebSphere Commerce. WebSphere Commerce provides tools for creating and maintaining an online store. WCA provides information that address the marketing and merchandising activities in the store. You can use this information to help manage the success of the store.

WCA creates and maintains a datamart containing information that is needed to generate business reports about the stores. The datamart is an IBM DB2 relational database that is created on the WCA server. The datamart contains data that is extracted from the WebSphere Commerce transactional database server and reorganized for efficient reporting. IBM DB2 provides the tools you need for database administration.


The business manager accesses the business reports from the browser-based WebSphere Commerce Accelerator, which is installed with WebSphere Commerce.

**Note:** A business manager could be a marketing, merchandising, or sales manager.

After you install WCA and run the replication and extraction processes for the first time, replication and extraction of new data from the WebSphere Commerce database to the WCA datamart can be scheduled to run periodically. For example, you might schedule these processes to occur just after midnight or at some other time when there is little activity for the store you are managing.

WCA can provide information about multiple stores. The WCA datamart supports multiple languages; however, the reporting application you use might limit the reports to one language.

The following software is packaged with WCA:

- IBM DB2 Universal Database Enterprise Server Edition, Version 8.1
-  IBM DB2 Intelligent Miner for Data, Version 8.1

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### Who uses WCA?

There are three types of WCA users. In this book they are called system administrators, business analysts, and business managers. In some businesses, more than three people might fill these roles, and they might have different titles.

The system administrator is the person who installs, configures, and keeps the WCA server operational. The system administrator also performs the following tasks:

- Administers DB2 and the DB2 Warehouse Center
- Schedules generation of the business reports
- Performs maintenance activities, such as backups, on the WCA server
- Diagnoses and resolves problems that might occur

The business analyst is knowledgeable about data analysis and data mining. For WCA, the business analyst works with the system administrator to do the following:

- **Professional** > **Business** Use the data mining functions of Intelligent Miner for Data
- Define how the business reports are customized

The business manager is concerned with the operation of the stores from a business perspective. This person develops the marketing strategy and tracks the success of the stores. The business manager determines the types of customers the stores target and plans promotional events and their associated advertising.

## How does WCA work with WebSphere Commerce?

The following diagram shows the relationship between the components of WebSphere Commerce and WCA.

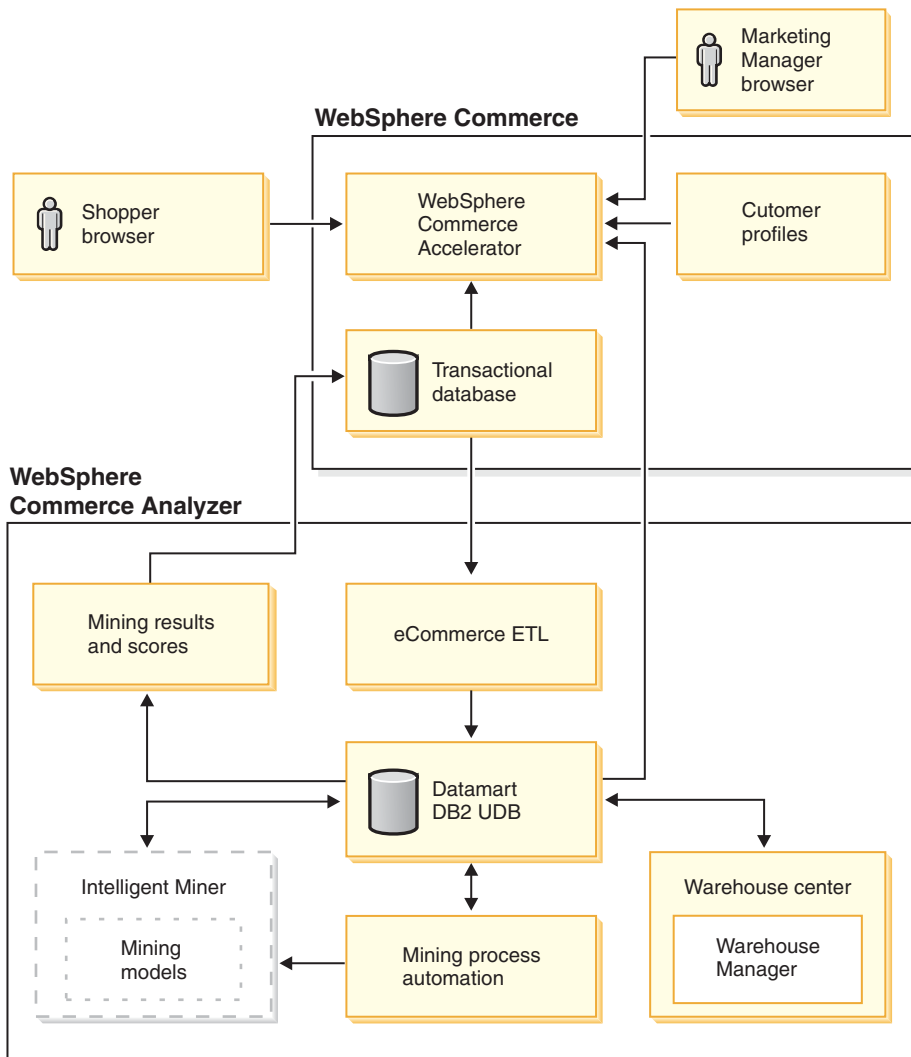



Figure 1. WebSphere Commerce and WCA components

Shoppers use Web browsers to shop at a store that was created using WebSphere Commerce. During a shopping session, a shopper browses the products, views the displayed ads, and might purchase products. WebSphere Commerce collects detailed data about the products and ads that were viewed and the items that

were purchased during each session. This customer session data is stored on the WebSphere Commerce transactional database server.

WCA replicates the customer session data, along with product and promotion data from the WebSphere Commerce transactional database server, into temporary tables on the WCA server. This is called replication. WCA then transforms the data into tables that can be used for reporting and stores it in the WCA datamart. This is called extraction. During the initial replication, all existing data is obtained from the WebSphere Commerce database server. Subsequently, only new data is obtained.

 IBM DB2 Intelligent Miner for Data mines the data in the WCA datamart. It discovers patterns in the data that are useful for answering specific business questions related to data mining and then stores the results in the WCA datamart. From the datamart, the results can be used to produce data mining-related business reports.

You can customize the business reports to better meet the requirements of your business. For information about how to customize the business reports, see the *IBM WebSphere Commerce Analyzer, Version 5.5 Technical Reference*.

Reporting Framework, the reporting toolkit provided with WebSphere Commerce, produces the business reports from the data in the WCA datamart. Other reporting applications can also be integrated to produce business reports.



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## Chapter 2. WCA datamart tables

WCA provides a published datamart, which is available to third parties to generate reports for marketing managers. Design of the datamart allows for answers to a specific list of business questions that pertain to an e-commerce store. WCA includes a datamart with additional tables and columns available to users sourcing from WebSphere Commerce

This chapter describes the tables found in the WCA datamart.

---

### ACCOUNT

Each row of this table represents a business account between a Buyer organization and a Seller organization. You can use a business account to organize various Trading Agreements and to specify special Trading Terms and Conditions.

#### Column

Name	Datatype Null option	Comment
ACCOUNT_ID	BIGINT NOT NULL	The account ID.
RSV_MEMBER_ID	BIGINT NULL	An IBM-reserved field that is not used for reporting.
STORE_ID	INTEGER NULL	The identifier for the store in which the account is first created.
ACCT_STATUS_ID	INTEGER NULL	The identifier for the state of the account. Only the following states are used: <b>0</b> Initial <b>1</b> Pending <b>3</b> Active <b>6</b> Closed <b>7</b> Suspended
TIMECREATED	TIMESTAMP NULL	The time the account is created.
TIMEACTIVATED	TIMESTAMP NULL	The time the account is activated.
DEFAULTCONTRACT	INTEGER NOT NULL	An indication whether purchases that use the store default contract are allowed. <b>0</b> Not allowed <b>1</b> Allowed
NAME	VARCHAR(200) NULL	The account name.
LAST_UPDATED	TIMESTAMP NOT NULL	The date on which the record was last updated.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that performed the last update.

## Index

Name	Unique	Member Column Name
UI_ACCOUNT	Yes	ACCOUNT_ID

## Primary key column name

ACCOUNT\_ID

## Child table name

TRADING  
RFM\_TRADING  
FACT\_ORDERITEMS  
CONTRACT

## Parent table name

None.

---

## ACCT\_STATUS\_REF

This table stores the language-dependent text describing the account status.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
ACCT_STATUS_ID	INTEGER NOT NULL	The state of the account. These states are used: <b>0</b> Initial <b>3</b> Active <b>6</b> Closed
ACCT_STATUS_SDESC	VARCHAR(32) NULL	The short description of the account status.
ACCT_STATUS_LDESC	VARCHAR(64) NULL	The long description of the account status.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKACCT_STATUS_REF	Yes	LANGUAGE_ID
XPKACCT_STATUS_REF	Yes	ACCT_STATUS_ID

## Primary key column name

ACCT\_STATUS\_ID  
LANGUAGE\_ID

## Child table name

L\_ACCT\_STATUS\_REF

## Parent table name

None.

---

## AD\_TYPE\_REF

This table is pre-populated by the WCA configuration program from the CPWALLET.ACCEPTFROMTYPE column of the PROGRAM REFERENCE table. Reporting tools should reference the view of this table: L\_AD\_TYPE\_REF.

## Column

Name	Datatype Null option	Comment
AD_TYPE_ID	INTEGER NOT NULL	The advertisement type identifier. Valid values are: 1 = B 2 = E 3 = O -9999 = NULL
LANGUAGE_ID	INTEGER NOT NULL	The language ID that the entry is in.
AD_TYPE_MAP	CHAR(1) NULL	The column that maps to WCS.CPWALLET.ACCEPTFROMTYPE • B = BANNER AD • E = E-MAIL • O = OFFER LIST • BLANK = UNKNOWN TYPE
AD_TYPE	CHAR(32) NULL	The translated name for the WebSphere Commerce short names. Valid values are: • B = BANNER AD • E = E-MAIL • O = OFFER LIST • BLANK = UNKNOWN TYPE
AD_TYPE_DESC	CHAR(32) NULL	The WCA-provided translated description of the advertisement type. The types include e-mail or banner ad.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.

## Index

Name	Unique	Member Column Name
XPKAD_TYPE_REF	Yes	AD_TYPE_ID
XPKAD_TYPE_REF	Yes	LANGUAGE_ID

## Primary key column name

AD\_TYPE\_ID  
LANGUAGE\_ID

## Child table name

L\_AD\_TYPE\_REF

## Parent table name

None.

---

## ADDRESS

This table holds address information for members.

## Column

Name	Datatype Null option	Comment
ADDRESS_ID	BIGINT NOT NULL	A unique reference number, internally generated by WebSphere Commerce.
MEMBER_ID	BIGINT NULL	The member to whom this address belong.
LAST_NAME	VARCHAR(128) NULL	An addressee last name.
FIRST_NAME	VARCHAR(128) NULL	An addressee first name.
MIDDLE_NAME	VARCHAR(128) NULL	An addressee middle name.
TITLE	VARCHAR(50) NULL	An addressee title. Valid values include: Dr Prof Rev Mr Mrs Ms N (not provided) Default value: N.



Name	Datatype Null option	Comment
SELF_ADDRESS	INTEGER NULL	An indication of whether the address belongs to the member. Valid values are: <b>1</b> This address is the member's own address (as opposed to their friends, associates, relatives, and so forth) <b>0</b> This address is not the member's own address.
IS_PRIMARY	INTEGER NULL	An indication of whether the address is the primary address. Valid values are: <b>1</b> Primary address <b>0</b> Not primary address This value allows multiple addresses of each ADDRESS_TYPE_ID and one of them is to be designated as the primary address.
STATUS	CHAR(1) NULL	A permanent (current) or temporary (historical) address. Residences can only have one permanent address, but can have several older addresses. Valid field values are P, T or null. This variable is used with ADDRESS_TYPE of residential.
ADDRESS_TYPE_ID	INTEGER NULL	The foreign key to the ADDRESS_TYPE_REF table. Valid types are: <b>S</b> Ship to <b>B</b> Bill to <b>SB</b> Both ship to and bill to If a properties file cannot be found, a default of SB will be used.
ADDRESS_LINE1	VARCHAR(50) NULL	Line one of the addressee address.
ADDRESS_LINE2	VARCHAR(50) NULL	Line two of the addressee address.
ADDRESS_LINE3	VARCHAR(50) NULL	Line three of the addressee address.
CITY	VARCHAR(128) NULL	The city the addressee is located in.
STATE_PROV	VARCHAR(128) NULL	The state or province the addressee is located in.
POSTAL_CODE	VARCHAR(40) NULL	The addressee postal code.
COUNTRY	VARCHAR(128) NULL	The country the addressee is located in.
PHONE1	VARCHAR(32) NULL	The addressee phone number.

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
PHONE2	VARCHAR(32) NULL	The address alternative phone number.
EMAIL1	VARCHAR(256) NULL	The electronic mail (e-mail) address of the addressee.
ORG_NAME	VARCHAR(128) NULL	The name of the organization to which this address information applies if this is a business address. This name is not the same as the name of the organization that owns the address book, which contains this address.
ORG_UNIT_NAME	VARCHAR(128) NULL	The name of the organizational unit to which this address information applies, if this is a business address.
BUSINESS_TITLE	VARCHAR(128) NULL	The business title (for example, Manager or Chief Executive Officer).
BILLING_CODE	VARCHAR(128) NULL	A code to identify the shipping or billing information.
BILLING_CODE_TYPE	VARCHAR(64) NULL	The code designating the system or method of code structure used for billing.
LAST_UPDATED	TIMESTAMP NOT NULL	The date on which the record was last updated.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that performed the last update.

## Index

<b>Name</b>	<b>Unique</b>	<b>Member column name</b>
UI_ADDRESS	Yes	ADDRESS_ID
ADR_ALT_MEMBER	No	MEMBER_ID
ADR_ALT_ADR_TYPE	No	ADDRESS_TYPE_ID
XAK1ADDRESS_CITY	No	CITY
XAK2ADDRESS_STATE	No	STATE_PROV
XAKADDRESS_COUNTRY	No	COUNTRY
XIE6ADDRESS	No	LAST_UPDATED

## Primary key column name

ADDRESS\_ID

## Child table name

FACT\_ADJUSTMENT  
FACT\_COUPON  
FACT\_ORDERITEMS

## FACT\_ORDERS

### Parent table name

None.

---

## ADDRESS\_TYPE\_REF

This table contains the different types of addresses that can exist in the system. Valid address type values (which are configurable by using a properties file) are: **S** for ship to, **B** for bill to, or **SB** for both ship to and bill to. Users can add their own types.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID that the entry is in.
ADDRESS_TYPE_ID	INTEGER NOT NULL	A unique address type ID.
ADDRESS_TYPE	CHAR(5) NULL	The type of address. Valid values are configurable by using a properties file. For example, <b>S</b> Ship to <b>B</b> Bill to <b>SB</b> Both ship to and bill to A single address can be of different types. If a properties file cannot be found, a default of <b>SB</b> will be used.
ADDRESS_TYPE_DESC	VARCHAR(32) NULL	The address type description. Valid values are: <b>S</b> Ship to <b>B</b> Bill to <b>SB</b> Both ship to and bill to <b>M</b> Mailing <b>O</b> Other <b>R</b> Residential
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
XPKADDRESS_TYPE_RE	Yes	LANGUAGE_ID
XPKADDRESS_TYPE_RE	Yes	ADDRESS_TYPE_ID

### Primary key column name

LANGUAGE\_ID  
ADDRESS\_TYPE\_ID

## Child table name

None.

## Parent table name

None.

---

## ADJUST\_LEVEL\_REF

This table contains the adjustment level reference information relating to the WebSphere Commerce CALCODE.DISPLAYLEVEL information. Reporting tools should reference the view of this table: L\_ADJUST\_LEVEL\_REF.

## Column

Name	Datatype Null option	Comment
ADJUST_LEVEL_ID	INTEGER NOT NULL	The identifier for the adjustment level.
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
ADJUST_LEVEL	CHAR(64) NULL	The values for this OrderAdjustment should be displayed with each:  0      OrderItem 1      Order 2      Product 3      Item 4      Contract
ADJUST_LEVEL_MAP	INTEGER NULL	This value maps to the WebSphere Commerce CALCODE.DISPLAYLEVEL column.
ADJUST_LEVEL_DESC	VARCHAR(254) NULL	The description of the adjustment level.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member Column Name
XPKADJUST_LEVEL_RE	Yes	ADJUST_LEVEL_ID
XPKADJUST_LEVEL_RE	Yes	LANGUAGE_ID

## Primary key column name

ADJUST\_LEVEL\_ID  
LANGUAGE\_ID

## Child table name

L\_ADJUST\_LEVEL\_REF

## Parent table name

None.

---

## ADJUST\_TYPE\_REF

This table contains the adjustment type reference information that relates to the WebSphere Commerce CALUSAGE table information, Reporting tools should reference the view of this table: L\_ADJUST\_TYPE\_REF.

## Column

Name	Datatype Null option	Comment
ADJUST_TYPE_ID	INTEGER NOT NULL	The identifier of the adjustment type that relates to the WebSphere Commerce CALUSAGE.CALUSAGE_ID.
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
ADJUST_TYPE	CHAR(254) NULL	The adjustment type. Valid values are: <b>1</b> Discount <b>2</b> Shipping <b>3</b> Sales Tax <b>4</b> Shipping Tax <b>5</b> Coupon
ADJUST_TYPE_DESC	VARCHAR(254) NULL	A longer description for the adjustment type.
ADJUST_TYPE_MAP	INTEGER NULL	ADJUST_TYPE_MAP and ADJUST_TYPE_ID are the same value. The ADJUST_TYPE_MAP follows that pattern where a column in the WCA REFERENCE table maps directly to the CALUSAGE.DESCRPTION column in the WebSphere Commerce table.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member Column Name
XPKADJUST_TYPE_REF	Yes	ADJUST_TYPE_ID
XPKADJUST_TYPE_REF	Yes	LANGUAGE_ID

## Primary key column name

ADJUST\_TYPE\_ID  
LANGUAGE\_ID

## Child table name

L\_ADJUST\_TYPE\_REF

## Parent table name

None.

---

## AGE\_RANGE\_REF

You can regroup users into age ranges. Values for this table derive from a properties file on the Web store server.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
AGE_RANGE_ID	INTEGER NOT NULL	The code for a particular age range. Value -9999 is reserved for internal processing.
AGE_RANGE	VARCHAR(20) NULL	The short description of age range, such as "21 - 39".
AGE_RANGE_DESC	VARCHAR(64) NULL	The long description of age range.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKAGE_RANGE_REF	Yes	LANGUAGE_ID
XPKAGE_RANGE_REF	Yes	AGE_RANGE_ID
XIE1AGE_RANGE_REF	No	AGE_RANGE_ID
XIE1AGE_RANGE_REF	No	LANGUAGE_ID
XIE1AGE_RANGE_REF	No	AGE_RANGE_DESC
XIE2AGE_RANGE_REF	No	AGE_RANGE_DESC
XIE2AGE_RANGE_REF	No	AGE_RANGE
XIE2AGE_RANGE_REF	No	LANGUAGE_ID
XIE2AGE_RANGE_REF	No	AGE_RANGE_ID

**Primary key column name**

LANGUAGE\_ID  
AGE\_RANGE\_ID

**Child table name**

None.

**Parent table name**

None.

**ALL\_STORES\_PARAM**

This table is obsolete. Use PARAMETERS table instead.

**Column**

Name	Datatype Null option	Comment
PARTITION_KEY	INTEGER NOT NULL	A unique ID that is populated.
RPT_LANGUAGE_ID	INTEGER NOT NULL	The language used for generating all reports. See "LANGUAGE_REF" on page 95.
REPORT_CURRENCY	CHAR(3) NOT NULL	The currency used to report on monetary value.

**Index**

Name	Unique	Member column name
XPBALL_STORES_PARA	Yes	PARTITION_KEY

**Primary key column name**

PARTITION\_KEY

**Child table name**

None.

**Parent table name**

None.

**APPLY\_INIT**

This table holds the mining model apply results. The mining model is applied to information pertaining to initiatives.

## Column

Name	Datatype Null option	Comment
SEGMENTATION_ID	INTEGER NOT NULL	The segmentation ID of the segmentation associated with the mining model apply.
INITIATIVE_ID	INTEGER NOT NULL	The initiative ID associated with mining model apply.
SEGMENT_INDEX	INTEGER NOT NULL	The same SEGMENT_INDEX as in table SEGMENT and can be used to join table SEGMENT.
SCORE	DOUBLE NULL	The mining score, which is a measure of how well this initiative fits in this segment. Values are from 0–1.1 is a perfect match. Values below 1 indicate a decreasing statistical match.
CONFIDENCE	DOUBLE NULL	The confidence of the apply.
SCORE2	DOUBLE NULL	An IBM-reserved variable.
SEGMENT_INDEX2	INTEGER NULL	An IBM-reserved variable.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKAPPLY_INIT	Yes	SEGMENTATION_ID
XPKAPPLY_INIT	Yes	INITIATIVE_ID
XIF89APPLY_INIT	No	SEGMENTATION_ID
XIF95APPLY_INIT	No	INITIATIVE_ID

### Primary key column name

SEGMENTATION\_ID  
INITIATIVE\_ID

### Child table name

None.

### Parent table name

INITIATIVE  
SEGMENTATION



---

## APPLY\_MEMBER

This table contains the output from applying the mining model to members.

### Column

Name	Datatype Null option	Comment
MEMBER_ID	BIGINT NOT NULL	The member ID.
SUB_ID	BIGINT NOT NULL	A product, category, or order ID indicator. <b>1</b> PRODUCT_ID <b>2</b> CATEGORY_ID <b>3</b> ORDER_ID
SEGMENTATION_ID	INTEGER NOT NULL	The ID of a segmentation model. This ID is the same as in the SEGMENTATION table.
SEGMENT_INDEX	INTEGER NOT NULL	The same SEGMENT_INDEX as in table SEGMENT and can be used to join with that table.
SCORE	DOUBLE NOT NULL	The mining score, which is a measure of how well this initiative fits in this segment. Values are from 0–1.1 is a perfect match. Values below 1 indicate a decreasing statistical match.
TYPE_ID	INTEGER NOT NULL	The type of the output data. <b>1</b> member versus product <b>2</b> member versus category <b>3</b> member versus order
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
CONFIDENCE	DOUBLE NULL	The confidence of the apply.
SCORE2	DOUBLE NULL	An IBM reserved variable.
SEGMENT_INDEX2	INTEGER NULL	An IBM reserved variable.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
XPKAPPLY_MEMBER	Yes	MEMBER_ID
XPKAPPLY_MEMBER	Yes	SUB_ID
XPKAPPLY_MEMBER	Yes	SEGMENTATION_ID
XIF1APPLY_MEMBER	No	MEMBER_ID
XIF2APPLY_MEMBER	No	SEGMENTATION_ID

## Primary key column name

MEMBER\_ID  
SUB\_ID  
SEGMENTATION\_ID

## Child table name

None.

## Parent table name

SEGMENTATION  
MEMBER

---

## APPLY\_RESULT

This table contains the result of a mining apply for contracts or accounts.

## Column

Name	Datatype Null option	Comment
SEGMENTATION_ID	INTEGER NOT NULL	The ID of a segmentation model. This ID is the same as in the SEGMENTATION table.
RESULT_ID	BIGINT NOT NULL	A contract ID, account ID, and so forth for the segmentation scoring result. See TYPE_ID for specific types. The foreign key relationship is not explicitly created to CONTRACT and ACCOUNT tables, but data is related that way.
TYPE_ID	INTEGER NOT NULL	The type of entity that this result is for. Valid values are: <b>1</b> Account <b>2</b> Contract <b>IDs 0 through 100</b> Reserved by IBM
SEGMENT_INDEX	INTEGER NOT NULL	The same SEGMENT_INDEX as in table SEGMENT and can be used to join with that table.
SCORE	DOUBLE NOT NULL	The mining score, which is a measure of how well this initiative fits in this segment. Values are from 0–1.1 is a perfect match. Values below 1 indicate a decreasing statistical match.
CONFIDENCE	DOUBLE NULL	The confidence of the apply.
SCORE2	DOUBLE NULL	An IBM reserved variable.
SEGMENT_INDEX2	INTEGER NULL	An IBM reserved variable.

Name	Datatype Null option	Comment
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKAPPLY_RESULT	Yes	SEGMENTATION_ID
XPKAPPLY_RESULT	Yes	RESULT_ID
XIF209APPLY_RESULT	No	SEGMENTATION_ID

## Primary key column name

SEGMENTATION\_ID  
RESULT\_ID

## Child table name

None.

## Parent table name

SEGMENTATION

---

## APV\_STATUS\_REF

This table stores the language-dependent text for registration approval status.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
APV_STATUS_ID	INTEGER NOT NULL	The registration approval status as follows: <b>0</b> Pending approval <b>1</b> Approved <b>2</b> Rejected <b>Null</b> The approval is not applicable
APV_STATUS_SDESC	VARCHAR(5) NULL	The registration approval status as follows: <b>P</b> Pending approval <b>A</b> Approved <b>R</b> Rejected <b>Null</b> The approval is not applicable

Name	Datatype Null option	Comment
APV_STATUS_LDESC	VARCHAR(32) NULL	The registration approval status as follows: Pending approval Approved Rejected Null - the approval is not applicable
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKAPV_STATUS_REF	Yes	LANGUAGE_ID
XPKAPV_STATUS_REF	Yes	APV_STATUS_ID

## Primary key column name

LANGUAGE\_ID  
APV\_STATUS\_ID

## Child table name

L\_APV\_STATUS\_REF

## Parent table name

None.

## ATTRIBUTE

This table contains all the mining attributes that participate in the various mining models. For example a demographic segmentation uses the AGE\_RANGE, or income as mining attributes.

## Column

Name	Datatype Null option	Comment
SEGMENTATION_ID	INTEGER NOT NULL	The segmentation ID.
SEGMENT_ID	INTEGER NOT NULL	The segment ID.
ATTRIBUTE_ID	INTEGER NOT NULL	An ID for each attribute contained in a segment.

Name	Datatype Null option	Comment
PER_ID	INTEGER NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions, such as: week, month, quarter, year, and fiscal periods.
ATTRIBUTE_TYPE	INTEGER NULL	The attribute type, which is either continuous or discrete: <b>0</b> Discrete categorical (pie charts use) <b>1</b> Discrete numeric (bar charts use) <b>2</b> Continuous numeric (bar charts use)
ACTIVE_SUPPLM_TYPE	INTEGER NULL	The mining attribute type: <b>0</b> Active variable <b>1</b> Supplemental variable
NUM_CATEGORIES	INTEGER NULL	The number of categories.
ATTRIBUTE_NAME	VARCHAR(32) NOT NULL	The name of the attribute as known within the WCA datamart.
FROM_RANGE	DOUBLE NULL	The from range, which is used for continuous numeric attribute types.
TO_RANGE	DOUBLE NULL	The to range, which is used for continuous numeric attribute types.
NUM_ITEMS	INTEGER NULL	The number of items.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
P_ATTRIBUTE	Yes	SEGMENTATION_ID
P_ATTRIBUTE	Yes	SEGMENT_ID
P_ATTRIBUTE	Yes	ATTRIBUTE_ID
XAK1ATTR_ATTRIBUTE	No	ATTRIBUTE_ID
XIF1ATTRIBUTE	No	SEGMENTATION_ID
XIF1ATTRIBUTE	No	SEGMENT_ID
XIF2ATTRIBUTE	No	PER_ID

## Primary key column name

SEGMENTATION\_ID  
SEGMENT\_ID  
ATTRIBUTE\_ID

## Child table name

ATTRIBUTE\_BIN

## Parent table name

PERIOD  
SEGMENT

---

## ATTRIBUTE\_BIN

This table holds detailed output from running mining model statistics broken down by segmentation, segment, attribute and attribute bin values.

## Column

Name	Datatype Null option	Comment
SEGMENTATION_ID	INTEGER NOT NULL	The segmentation ID.
SEGMENT_ID	INTEGER NOT NULL	The segment ID.
ATTRIBUTE_ID	INTEGER NOT NULL	The attribute ID.
BIN_ID	INTEGER NOT NULL	The bin ID.
BIN_NAME	VARCHAR(64) NULL	The name for the bin. For category, this is the category name. For continuous, this is a combination of the FROM_RANGE and TO_RANGE mixed with text (for example, '10 - 20').
PER_ID	INTEGER NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.
CATEGORY_NAME	VARCHAR(64) NULL	The category name for the categorical and discrete types.
FROM_RANGE	DOUBLE NULL	The from range, which is used for continuous numeric attribute types.
TO_RANGE	DOUBLE NULL	The to range, which is used for continuous numeric attribute types.
NUM_ITEMS	INTEGER NULL	The number of items (population) in this bin.

Name	Datatype Null option	Comment
VALUE_SUM	DOUBLE NULL	The total amount (of revenue, for example) in this bin. Used for continuous numeric attribute types.
VALUE_SQR_SUM	DOUBLE NULL	The values squared and added together. Used for continuous numeric attribute types.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
BIN_SIZE_PCT	FLOAT NULL	The size of the bin expressed in percentage size. The value is $(\text{NUM\_ITEMS} / (\text{NUM\_ITEMS of the segment}) * 100.0$ . The size ranges from 0 - 100.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
P_ATTRIBUTEBIN	Yes	SEGMENTATION_ID
P_ATTRIBUTEBIN	Yes	SEGMENT_ID
P_ATTRIBUTEBIN	Yes	ATTRIBUTE_ID
P_ATTRIBUTEBIN	Yes	BIN_ID
XAK1BIN_SEGMENT_ID	No	SEGMENT_ID
XAK2_BIN_BIN_ID	No	BIN_ID
XIF1ATTRIBUTE_BIN	No	SEGMENTATION_ID
XIF1ATTRIBUTE_BIN	No	SEGMENT_ID
XIF1ATTRIBUTE_BIN	No	ATTRIBUTE_ID
X1F2ATTRIBUTE_BIN	No	PER_ID

## Primary key column name

SEGMENTATION\_ID  
SEGMENT\_ID  
ATTRIBUTE\_ID  
BIN\_ID

## Child table name

None.

## Parent table name

PERIOD  
ATTRIBUTE

## BASEITEM

This table contains BaseItems that represent a general family of goods with a common name and description. You use BaseItems exclusively for fulfillment. Each CatalogEntry that represents a Product in the catalog has a corresponding BaseItem for fulfillment purposes.

### Column

Name	Datatype Null option	Comment
BASEITEM_ID	BIGINT NOT NULL	A generated unique key.
MEMBER_ID	BIGINT NULL	The owner of this BaseItem.
ITEMTYPE_ID	CHAR(4) NULL	The type of BaseItem.
QUANTITYMEASURE	CHAR(16) NULL	The unit of measure for QUANTITYMULTIPLE. For example, to represent one quarter of an inch, QUANTITYMULTIPLE would be 0.25, and QUANTITYMEASURE would indicate the QTYUNIT that represents inches (normally INH).
LASTUPDATE	TIMESTAMP NULL	The last time this BaseItem was updated.
PARTNUMBER	VARCHAR(64) NULL	A part number that uniquely identifies a BaseItem for a particular owner.
QUANTITYMULTIPLE	DOUBLE NULL	The unit of measure for QUANTITYMULTIPLE. For example, to represent one quarter of an inch, QUANTITYMULTIPLE would be 0.25, and QUANTITYMEASURE would indicate the QTYUNIT that represents inches (normally INH).
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
p_baseitem	Yes	BASEITEM_ID
I0000040	Yes	MEMBER_ID
I0000040	Yes	PARTNUMBER



**Primary key column name**

BASEITEM\_ID

**Child table name**PRODUCT  
ITEMSPC**Parent table name**

None.

**BROWSER**

This table contains the list of browsers used.

**Column**

Name	Datatype Null option	Comment
BROWSER_ID	INTEGER NOT NULL	The unique browser ID.
BROWSER	VARCHAR(254) NOT NULL	The browser used by the member.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

**Index**

Name	Unique	Member column name
XPKBROWSER	Yes	BROWSER_ID

**Primary key column name**

BROWSER\_ID

**Child table name**

FACT\_VISITS

**Parent table name**

None.

**BUYERPOTYP\_REF**

The buyer purchase order type table. This table defines the different types of buyer purchase orders.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID that the entry is in.
BUYERPOTYP_ID	INTEGER NOT NULL	The type of purchase order (PO). See the "BUYERPOTYP_REF" on page 25 table. <b>1</b> Blanket PO <b>2</b> Limited Amount PO <b>3</b> Single-use Individual PO <b>4</b> Multiple-use Individual PO <b>Note:</b> For multiple-use PO, the PO number can be used by more than one order.
BUYERPOTYPE_SDESC	VARCHAR(5) NULL	The short description of the purchase order types: <b>B</b> Blanket PO <b>L</b> Limited PO <b>S</b> Single-use Individual PO <b>M</b> Multiple-use Individual PO <b>Note:</b> For multiple-use PO, the PO number can be used by more than one order.
BUYERPOTYPE_LDESC	VARCHAR(64) NULL	The long description of the purchase order types. Blanket PO Limited PO Single-use Individual PO Multiple-use Individual PO <b>Note:</b> For multiple-use PO, the PO number can be used by more than one order.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKBUYERPOTYP_REF	Yes	LANGUAGE_ID
XPKBUYERPOTYP_REF	Yes	BUYERPOTYP_ID

## Primary key column name

LANGUAGE\_ID  
BUYERPOTYP\_ID

## Child table name

None.

## Parent table name

None.

---

## CAMP\_INIT\_MPE\_REL

This table defines the relationship between campaigns, initiatives, and EMSPOTs.

## Column

Name	Datatype Null option	Comment
CAMPREL_ID	BIGINT NOT NULL	The ID identifying the specific campaign, initiative, and EMSPOT relationship.
MPE_ID	INTEGER NOT NULL	The e-marketing spot (EMSPOT) ID.
CAMPAIGN_ID	INTEGER NOT NULL	The campaign ID.
INITIATIVE_ID	INTEGER NOT NULL	The initiative ID.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
IWPK_CAMP_INIT_REL	Yes	CAMPREL_ID
XIE1CAMP_INIT_MPE	No	INITIATIVE_ID
XIE1CAMP_INIT_MPE	No	CAMPREL_ID
XIF1CAMP_INIT_MPE_	No	MPE_ID
XIF2CAMP_INIT_MPE	No	CAMPAIGN_ID
XIF3CAMP_INIT_MPE	No	INITIATIVE_ID

## Primary key column name

CAMPREL\_ID

## Child table name

FACT\_EVENT  
FACT\_CPGN\_STATS

## Parent table name

INITIATIVE  
CAMPAIGN

---

## CAMPAIGN

This table contains information about each campaign.

### Column

Name	Datatype Null option	Comment
CAMPAIGN_ID	INTEGER NOT NULL	A unique campaign ID.
NAME	VARCHAR(64) NULL	The name of the campaign.
STORE_ID	INTEGER NULL	The store identifier.
DESCRIPTION	VARCHAR(254) NULL	A description of the campaign.
OWNER	VARCHAR(64) NULL	The name of the campaign owner.
STARTDATE	DATE NULL	The start date of the first initiative associated with this campaign.
ENDDATE	DATE NULL	The end date of the first initiative associated with this campaign.
USERSTATUS	INTEGER NULL	A field that is no longer populated. It was discontinued by WebSphere Commerce.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
UI_CAMPAIGN	Yes	CAMPAIGN_ID
XIF148CAMPAIGN	No	STORE_ID

### Primary key column name

CAMPAIGN\_ID

### Child table name

CAMP\_INIT\_MPE\_REL

### Parent table name

STORE

---

## CATALOG

This table defines the catalogs that are available .

### Column

Name	Datatype Null option	Comment
CATALOG_ID	BIGINT NOT NULL	A unique catalog ID.
DESCRIPTION	VARCHAR(254) NULL	The administrative catalog description.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
UI_CATALOG	Yes	CATALOG_ID

### Primary key column name

CATALOG\_ID

### Child table name

FACT\_INTEREST  
PRODUCT\_HIERARCHY

### Parent table name

None.

---

## CATALOG\_REF

Descriptions pertaining to catalogs. The text is translated to many languages.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID of the text.
CATALOG_ID	BIGINT NOT NULL	A unique catalog ID.
CATALOG_NAME	VARCHAR(254) NULL	The catalog name.
CATALOG_DESC	VARCHAR(254) NULL	The description for the catalog.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.

Name	Datatype Null option	Comment
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKCATALOG_REF	Yes	LANGUAGE_ID
XPKCATALOG_REF	Yes	CATALOG_ID

## Primary key column name

LANGUAGE\_ID  
CATALOG\_ID

## Child table name

None.

## Parent table name

None.

---

## CATEGORY\_REF

This table hold the language-dependent information related to categories. Note that this is not a true reference table because the translated text comes from WebSphere Commerce.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID of the text.
CATEGORY_ID	BIGINT NOT NULL	A unique catalog ID.
CATEGORY_NAME	VARCHAR(254) NULL	The category name.
CATEGORY_DESC	VARCHAR(254) NULL	The category description.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
IWPK_CATEGORY_REF	Yes	LANGUAGE_ID

Name	Unique	Member column name
IWPK_CATEGORY_REF	Yes	CATEGORY_ID

### Primary key column name

LANGUAGE\_ID  
CATEGORY\_ID

### Child table name

None.

### Parent table name

None.

---

## CON\_STATUS\_REF

This table stores the language-dependent text for contract status.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID .
CON_STATUS_ID	INTEGER NOT NULL	The contract state. Valid values are: <b>0</b> Draft <b>1</b> Pending approval <b>2</b> Approved <b>3</b> Active <b>4</b> Rejected <b>5</b> Canceled <b>6</b> Closed <b>7</b> Suspended <b>-1</b> Deployment in progress <b>-2</b> Deployment failed
CON_STATUS_SDESC	VARCHAR(64) NULL	The short description for the contract status. Valid values are: Draft Pending Approved Active Rejected Canceled Closed Suspended Deployment in Progress Deployment Failed

Name	Datatype Null option	Comment
CON_STATUS_LDESC	VARCHAR(128) NULL	The long description for the contract status. Valid values are: Draft Pending Approved Active Rejected Canceled Closed Suspended Deployment in Progress Deployment Failed
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKCON_STATUS_REF	Yes	LANGUAGE_ID
XPKCON_STATUS_REF	Yes	CON_STATUS_ID

## Primary key column name

LANGUAGE\_ID  
CON\_STATUS\_ID

## Child table name

L\_CON\_STATUS\_REF

## Parent table name

None.

## CONCEPT\_HIERARCHY

This table holds the hierarchy relationship of the various concepts by denoting the parent/child relationship and the level at which the relationship occurred in the hierarchy.

## Column

Name	Datatype Null option	Comment
PARENT_CONCEPT_ID	INTEGER NOT NULL	The ID for the concept, which is a text question or answer presented to users during Guided Sell processing.
CHILD_CONCEPT_ID	INTEGER NOT NULL	The internal reference number of the concept (question or answer).



Name	Datatype Null option	Comment
LEVEL	INTEGER NOT NULL	The level in the hierarchy at which the concepts relate.
TREE_ID	INTEGER NULL	The internal reference number of the Q&A tree.
LAST_UPDATED	TIMESTAMP NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKCONCEPT_HIERARC	Yes	PARENT_CONCEPT_ID
XPKCONCEPT_HIERARC	Yes	CHILD_CONCEPT_ID
XPKCONCEPT_HIERARC	Yes	LEVEL

## Primary key column name

PARENT\_CONCEPT\_ID  
CHILD\_CONCEPT\_ID  
LEVEL

## Child table name

None.

## Parent table name

None.

---

## CONCEPT\_REF

This table stores the language-dependent text representing the questions and answers created for the Guided Sell metaphor. Values for this table derive from a properties file on the Web store server.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The unique identifier of the language.
CONCEPT_ID	INTEGER NOT NULL	The ID for the concept, which is a text question or answer presented to users during Guided Sell processing.
CONCEPT_TYPE	VARCHAR(100) NOT NULL	An indicator as to if this is a question or answer. This indicator is not simple name like question or answer.

Name	Datatype Null option	Comment
CONCEPT_NAME	VARCHAR(512) NOT NULL	The question or answer text.
STORE_ID	INTEGER NULL	An internal reference number of the store that this concept was created for.
METAPHOR_ID	BIGINT NULL	The metaphor that this answer is linked to.
SEQUENCE	INTEGER NULL	An order sequence of the concepts within a tree.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.
TREE_ID	INTEGER NULL	The internal reference number of the Q&A tree.

## Index

Name	Unique	Member column name
XPKCONCEPT_REF	Yes	LANGUAGE_ID
XPKCONCEPT_REF	Yes	CONCEPT_ID
XAKCONCEPT_STORE	No	STORE_ID
XAKCONCEPT_META	No	METAPHOR_ID
XAK3CONCEPT_TYPE	No	CONCEPT_TYPE

## Primary key column name

LANGUAGE\_ID  
CONCEPT\_ID

## Child table name

None.

## Parent table name

None.

## CONSTRAINTS

This table stores constraints as defined in the Guided Sell metaphor.

## Column

Name	Datatype Null option	Comment
CONCEPT_ID	INTEGER NOT NULL	The ID for the concept, which is a text question or answer presented to users during Guided Sell processing

Name	Datatype Null option	Comment
CONSTRAINT_ID	INTEGER NOT NULL	An internal reference number.
METAPHOR_ID	BIGINT NULL	The metaphor that this concept is linked to.
FEATURE_ID	INTEGER NOT NULL	The feature ID that the constraint should be applied to.
FEATURE_NAME	VARCHAR(18) NULL	The feature name that the constraint applies to (for example, COLOR, SIZE).
OPERATOR	VARCHAR(5) NULL	The operators for the constraint (for example, =, >=, <)
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.

## Index

Name	Unique	Member column name
XPKCONSTRAINTS	Yes	CONSTRAINT_ID
XIF1CONSTRAINTS	No	METAPHOR_ID
XIF2CONSTRAINTS	No	FEATURE_ID

## Primary key column name

CONSTRAINT\_ID

## Child table name

None.

## Parent table name

FEATURES  
METAPHOR

---

## CONTRACT

Each row of this table represents a Contract. A Contract is part of a Store, and represents terms and conditions that might be associated with OrderItems, such as prices, minimum quantities, and who can use the Contract.

## Column

Name	Datatype Null option	Comment
CONTRACT_ID	BIGINT NOT NULL	The contract ID.
RSV_MEMBER_ID	BIGINT NULL	An IBM-reserved field that is not used for reporting.

Name	Datatype Null option	Comment
ACCOUNT_ID	BIGINT NULL	The account ID that owns the contract.
NAME	VARCHAR(200) NULL	A name that uniquely identifies a version of a contract of a particular origin for a particular owner
ORIGIN_ID	INTEGER NULL	An indicator of how the contract was created: <b>0</b> Manual <b>1</b> Imported <b>2</b>  RFQ <b>3</b> Exchange <b>4</b> Auction <b>5</b> Reverse auction <b>6</b> 2-party negotiation
CON_STATUS_ID	INTEGER NOT NULL	The contract state: <b>0</b> Draft <b>1</b> Pending approval <b>2</b> Approved <b>3</b> Active <b>4</b> Rejected <b>5</b> Canceled <b>6</b> Closed <b>7</b> Suspended <b>-1</b> Deployment in progress <b>-2</b> Deployment failed
TIMEACTIVATED	TIMESTAMP NULL	The time the contract was activated.
TIMEAPPROVED	TIMESTAMP NULL	The time the contract was approved.
TIMECREATED	TIMESTAMP NULL	The time the contract was created.
TIMEDEPLOYED	TIMESTAMP NULL	The time the contract was deployed.
TIMEUPDATED	TIMESTAMP NULL	The time the contract was most recently updated.
USAGE	INTEGER NOT NULL	The contract usage. Valid values are:: <b>0</b> Default <b>1</b> Reseller <b>2</b> Organization buyer <b>3</b> Special bid
LAST_UPDATED	TIMESTAMP NOT NULL	The date on which the record was last updated.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that performed the last update.

## Index

Name	Unique	Member column name
XPKCONTRACT	Yes	CONTRACT_ID
XIF1CONTRACT	No	ACCOUNT_ID

## Primary key column name

CONTRACT\_ID

## Child table name

RFM\_TRADING  
FACT\_ORDERITEMS

## Parent table name

ACCOUNT

---

## COUPON

### Column

Name	Datatype Null option	Comment
COUPON_ID	BIGINT NOT NULL	Coupon Promotion Identifier from the WCS.CPPMN table.
STORE_ID	INTEGER NULL	
CPN_STATUS_ID	INTEGER NULL	1 A Active 2 D Deleted 3 E Expired
CPN_STATUS	CHAR(32) NULL	A Active D Deleted E Expired
CPN_NAME	CHAR(64) NULL	The marketing name for this coupon.
CPN_DESC	CHAR(254) NULL	The marketing description for this coupon.
CPN_TYPE_ID	INTEGER NOT NULL	WCA Provided ID. Unique for each cpn_type_map.
CPN_TYPE	CHAR(32) NULL	WCA provided content translated. Product Category Order
AD_TYPE_ID	INTEGER NOT NULL	1 = B 2 = E 3 = O -9999 = NULL
AD_TYPE	CHAR(32) NULL	TRANSLATED NAME FOR WCS SHORT NAMES. B = BANNER AD E = E-MAIL O = OFFER LIST BLANK = UNKNOWN TYPE
CREATION_TIME	TIMESTAMP NULL	The timestamp when this coupon promotion was created. This value is taken from the WCS.CPPMN.CREATIONTIME column.

Name	Datatype Null option	Comment
START_DATE	TIMESTAMP NULL	
END_DATE	TIMESTAMP NULL	
MAX_NUM_ACCEPTED	INTEGER NULL	An indication of the maximum number of times a coupon promotion can be accepted by customers. A -1 indicates that there is no limit.
CPN_CURR	CHAR(3) NULL	The currency that this coupon promotion is in.
LAST_UPDATED	TIMESTAMP NOT NULL	The timestamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member Column Name
XPKCOUPON	Yes	COUPON_ID

## Primary key column name

COUPON\_ID

## Child table name

FACT\_COUPON

## Parent table name

None.

---

## CPN\_STATUS\_REF

Reporting tools should reference the view of this table: L\_CPN\_STATUS\_REF.

## Column

Name	Datatype Null option	Comment
CPN_STATUS_ID	INTEGER NOT NULL	A WCA-created coupon status ID that is used to map the WebSphere Commerce values to the WCA values.
LANGUAGE_ID	INTEGER NOT NULL	The language ID that the entry is in.

Name	Datatype Null option	Comment
CPN_STATUS_MAP	CHAR(1) NULL	The coupon status map that maps to the <b>CPPMN.STATUS</b> field.  A Active D Deleted Expired
CPN_STATUS	CHAR(32) NULL	The status of the WCA-created translated content to match the <b>CPN_STATUS_MAP</b> field.  Active Deleted Expired
CPN_STATUS_DESC	VARCHAR(254) NULL	A description of the WCA-created translated content to match the <b>CPN_STATUS_MAP</b> field. STOPPED HERE
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member Column Name
XPKCPN_STATUS_REF	Yes	CPN_STATUS_ID

## Primary key column name

CPN\_STATUS\_ID  
LANGUAGE\_ID

## Child table name

L\_CPN\_STATUS\_REF

## Parent table name

None.

## CPN\_TYPE\_REF

Reporting tools should reference the view of this table: L\_CPN\_TYPE\_REF.

## Column

Name	Datatype Null option	Comment
CPN_TYPE_ID	INTEGER NOT NULL	A WCA-provided ID that is unique for each CPN_TYPE_MAP.

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID that maps to the WCS.LANGUAGE table.
CPN_TYPE_MAP	CHAR(32) NOT NULL	A coupon type map that specifies whether the coupon is based on the product, category or category group, or the order level. Valid values are: <b>P</b> Product <b>O</b> Order <b>C</b> Category or category group
CPN_TYPE	CHAR(32) NOT NULL	The coupon type. A WCA-provided content translated. Product Category Order
CPN_TYPE_DESC	VARCHAR(254) NOT NULL	The couple type description. A WCA-provided translated content. <ul style="list-style-type: none"> <li>• This coupon is restricted based on the products in the shopping cart.</li> <li>• This coupon is restricted based on the category of products in the shopping cart.</li> <li>• This coupon is restricted based on the attributes of the shopping cart.</li> </ul>
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member Column Name
XPKCPN_STATUS_REF	Yes	CPN_STATUS_ID

## Primary key column name

CPN\_TYPE\_ID  
LANGUAGE\_ID

## Child table name

L\_CPN\_TYPE\_REF

## Parent table name

None.



---

## CUR\_CONVERT\_HIST

The information in this table is extracted from WCA and maintains a dated history of the currency conversion records in CURRENCYCONVERSION.

### Column

Name	Datatype Null option	Comment
CURCONVERT_ID	INTEGER NOT NULL	A generated unique key.
X_RATE_DATE	TIMESTAMP NOT NULL	The date that the exchange rates apply.
FROM_CURRENCY	CHAR(3) NOT NULL	An amount for the FROM CURRENCY that is normally part of a rule or other information used to determine a price, discount, shipping charge, or similar amount associated with a product offered for sale.
STORE_ID	INTEGER NOT NULL	The store entity this conversion rule is part of.
TO_CURRENCY	CHAR(3) NOT NULL	Normally, the currency in which the shopper intends to pay. Amounts in this currency are normally part of an OrderItem, such as a unit price, shipping charge, or tax amount.
MULTIPLYORDIVIDE	CHAR(1) NOT NULL	An indication whether to multiply or divide. To convert from FROM CURRENCY to TO CURRENCY: M (Multiply by FACTOR), D (Divide by FACTOR) For bidirectional rules, conversion from TO CURRENCY to FROM CURRENCY is allowed using the inverse operation.
FACTOR	DECIMAL(31,20) NOT NULL	The conversion factor, or exchange rate. Implicit conversion rules might be derived from explicit rules by combining conversion factors, but no more than one non-bidirectional rule can be used to derive any particular implicit rule.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
XPKHCUR_CONVT_HIST	Yes	CURCONVERT_ID
XPKHCUR_CONVT_HIST	Yes	X_RATE_DATE

Name	Unique	Member column name
XPKHCUR_CONVNT_HIST	Yes	STORE_ID
XAK1HCURR_FROMCURR	No	FROM_CURRENCY
XAK2HCURR_TOCURR	No	TO_CURRENCY

### Primary key column name

CURCONVERT\_ID  
X\_RATE\_DATE  
STORE\_ID

### Child table name

None.

### Parent table name

None.

---

## CURRENCYCONVERSION

The information in this table is extracted from WebSphere Commerce and stores similar currency conversion details as WebSphere Commerce.

### Column

Name	Datatype Null option	Comment
CURCONVERT_ID	INTEGER NOT NULL	A generated unique key.
STORE_ID	INTEGER NOT NULL	The store entity this conversion rule is part of.
FROM_CURRENCY	CHAR(3) NOT NULL	An amount for FROM CURRENCY that is normally part of a rule or other information used to determine a price, discount, shipping charge, or similar amount associated with a product offered for sale.
TO_CURRENCY	CHAR(3) NOT NULL	Normally, the currency in which the shopper intends to pay. Amounts in this currency are normally part of an OrderItem, such as a unit price, shipping charge, or tax amount.
MULTIPLYORDIVIDE	CHAR(1) NOT NULL	An indication whether to multiply or divide. To convert from FROM CURRENCY to TO CURRENCY: M (Multiply by FACTOR), D (Divide by FACTOR) For bidirectional rules, conversion from TO CURRENCY to FROM CURRENCY is allowed using the inverse operation.

Name	Datatype Null option	Comment
FACTOR	DECIMAL(31,20) NOT NULL	The conversion factor, or exchange rate. Implicit conversion rules might be derived from explicit rules by combining conversion factors, but no more than one non-bidirectional rule can be used to derive any particular implicit rule.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKCURRENCYCONVERS	Yes	CURCONVERT_ID
XPKCURRENCYCONVERS	Yes	STORE_ID
XAK1CURR_FROMCURR	No	FROM_CURRENCY
XAK2CURR_TOCURR	No	TO_CURRENCY

## Primary key column name

CURCONVERT\_ID  
STORE\_ID

## Child table name

None.

## Parent table name

None.

---

## DAY\_OF\_FM\_REF

Day of Fiscal Month Reference table. Text is available for several languages.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
DAY_OF_FM_ID	INTEGER NOT NULL	The ID for the day of the fiscal month, starting at 1 and incrementing to the last day of the month.

Name	Datatype Null option	Comment
DAY_OF_FM_SDESC	VARCHAR(8) NULL	The short description of the day of the fiscal month. For non-double-byte character set (DBCS) languages this should be three characters maximum.
DAY_OF_FM_LDESC	VARCHAR(32) NULL	The long description of the day of the fiscal month.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKDAY_OF_FM_REF	Yes	LANGUAGE_ID
XPKDAY_OF_FM_REF	Yes	DAY_OF_FM_ID
XAK1DAYFMREF_DAY	No	DAY_OF_FM_ID

## Primary key column name

LANGUAGE\_ID  
DAY\_OF\_FM\_ID

## Child table name

None.

## Parent table name

None.

## DAY\_OF\_FY\_REF

Day of Fiscal Year language-specific text used for reporting labels.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
DAY_OF_FY_ID	INTEGER NOT NULL	The day of fiscal year ID.
DAY_OF_FY_SDESC	VARCHAR(8) NULL	The day of fiscal year short description.
DAY_OF_FY_LDESC	VARCHAR(32) NULL	The day of fiscal year-long description.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.

Name	Datatype Null option	Comment
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKDAY_OF_FY_REF	Yes	LANGUAGE_ID
XPKDAY_OF_FY_REF	Yes	DAY_OF_FY_ID
XAK1DAYFYREF_DAY	No	DAY_OF_FY_ID

## Primary key column name

LANGUAGE\_ID  
DAY\_OF\_FY\_ID

## Child table name

None.

## Parent table name

None.

---

## DAY\_OF\_WK\_REF

Day of Week Reference Table. This table holds language-dependent information about the days of the week.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
DAY_OF_WK_ID	INTEGER NOT NULL	A unique day of week ID
DAY_OF_WK_SDESC	VARCHAR(8) NULL	The short description of day of week. For example, MON TUE WED THU FRI SAT SUN. Non-double byte languages should be three characters, if possible.
DAY_OF_WK_LDESC	VARCHAR(32) NULL	The long description of Day of Week. Values are the language equivalent of: Monday Tuesday Wednesday Thursday Friday Saturday Sunday
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKDAY_OF_WK_REF	Yes	LANGUAGE_ID
XPKDAY_OF_WK_REF	Yes	DAY_OF_WK_ID
XAK1DAYWKREF_DAY	No	DAY_OF_WK_ID

## Primary key column name

LANGUAGE\_ID  
DAY\_OF\_WK\_ID

## Child table name

None.

## Parent table name

None.

---

## DAY\_RANGE\_REF

Days are grouped into bins of day ranges during mining. These values are output from the mining process and can be used as a legend for visualization of the mining results contained in the attribute table.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
DAYS_ID	INTEGER NOT NULL	An ID for this day range entry.
DAYS_NAME	VARCHAR(32) NULL	The short description for this day range. For example "M - F".
DAYS_DESC	VARCHAR(254) NULL	The long description for this day range.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKDAY_RANGE_REF	Yes	LANGUAGE_ID
XPKDAY_RANGE_REF	Yes	DAYS_ID

## Primary key column name

LANGUAGE\_ID  
DAYS\_ID

## Child table name

None.

## Parent table name

None.

---

## DR\_MEMBER\_TYPE\_REF

This table holds language-dependent information about the member types utilized in WCA, namely Browser, Prospect, and Purchaser.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
DR_MEMBER_TYPE_ID	INTEGER NOT NULL	The derived member type. ODS member types are analyzed and retagged as a particular shopper based on their behavior. <b>0</b> Not Applicable. Used for Admin IDs. <b>1</b> BROWSER Someone who comes to the site, but never puts items in a shopping cart (no pending order). <b>2</b> PROSPECT Someone who comes to the site and places items in a shopping cart. <b>3</b> PURCHASER Someone who comes to the site and completes at least one order.
DR_MEM_TYPE_DESC	VARCHAR(15) NULL	A description for the derived member types that indicates the members shopping behavior. Valid values are: NONE, used for administrators BROWSER PROSPECT PURCHASER
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKDR_MEMBER_TYPE_	Yes	LANGUAGE_ID
XPKDR_MEMBER_TYPE_	Yes	DR_MEMBER_TYPE_ID
XAK1DRMBRTYPE	No	DR_MEMBER_TYPE_ID
XIE2DR_MEMBER_TYPE	No	DR_MEMBER_TYPE_ID
XIE2DR_MEMBER_TYPE	No	DR_MEM_TYPE_DESC

## Primary key column name

LANGUAGE\_ID  
DR\_MEMBER\_TYPE\_ID

## Child table name

None.

## Parent table name

None.

---

## EVENT\_TYPE\_REF

This table holds the language-dependent definitions of the various event types that are utilized in the Fact Event table. Listed are the various event types: Product Display, Category Display, ClickInfo, Awareness Ad, Product Recommendation.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
EVENT_TYPE_ID	INTEGER NOT NULL	A unique event type ID.
EVENT_TYPE	VARCHAR(5) NULL	The type of event, which is one of the following: <b>PD</b> Product Display <b>CD</b> Category Display <b>CI</b> Click Info <b>AA</b> Awareness Add <b>PR</b> Product Recommendation
EVENT_TYPE_DESC	VARCHAR(50) NULL	The event type description.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.



## Index

Name	Unique	Member column name
XPKEVENT_TYPE_REF	Yes	LANGUAGE_ID
XPKEVENT_TYPE_REF	Yes	EVENT_TYPE_ID
XAK1EVENTTYPEREFF	No	EVENT_TYPE_ID
XIE2EVENT_TYPE_REF	No	EVENT_TYPE_DESC
XIE2EVENT_TYPE_REF	No	LANGUAGE_ID
XIE2EVENT_TYPE_REF	No	EVENT_TYPE_ID

### Primary key column name

LANGUAGE\_ID  
EVENT\_TYPE\_ID

### Child table name

None.

### Parent table name

None.

---

## FACT\_ADJUSTMENT

This table lets you select or group dates into standard period definitions, such as week, month, quarter, year, and fiscal periods.

### Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	A uniquely generated ID that is used for joining the PERIOD table to all other FACT tables.
MEMBER_ID	BIGINT NOT NULL	The member ID.
STORE_ID	INTEGER NOT NULL	The store ID.
PRODUCT_ID	BIGINT NOT NULL	The product unique ID.
ORDERITEMS_ID	BIGINT NOT NULL	The actual line item ID.
ORDER_ID	BIGINT NOT NULL	A unique generated key for this specific order.
FACT_ADJUSTMENT_ID	BIGINT NOT NULL	The fact adjustment ID, which is a WCA-generated ID.
ADJUST_AMOUNT	DECIMAL(20,5) NULL	The adjustment amount.
ADJUST_CURRENCY	CHAR(3) NULL	The adjustment currency.

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
ORDADJUST_ID	BIGINT NULL	
ORDIADJUST_ID	BIGINT NULL	
ADJUST_TYPE	CHAR(254) NULL	WCS.CALUSAGE.DESCRPTION: The type of adjustment. Valid values are: <ul style="list-style-type: none"> <li>• Discount</li> <li>• Shipping</li> <li>• Sales Tax</li> <li>• Shipping Tax</li> <li>• Coupon</li> </ul>
ADJUST_LEVEL	CHAR(64) NULL	The following values for this OrderAdjustment should be displayed with each: <ul style="list-style-type: none"> <li><b>0</b>      OrderItem</li> <li><b>1</b>      Order</li> <li><b>2</b>      Product</li> <li><b>3</b>      Item</li> <li><b>4</b>      Contract</li> </ul> This value is usually copied from CALCODE.DISPLAYLEVEL.
ADJUST_TYPE_ID	INTEGER NULL	WCS.CALUSAGE.CALUSAGE_ID
ADJUST_LEVEL_ID	INTEGER NULL	The adjustment level ID.
HOUR_ID	INTEGER NULL	The hour ID.
ADDRESS_ID	BIGINT NULL	A unique reference number that is internally generated by WebSphere Commerce.

Name	Datatype Null option	Comment
ORDER_STATUS_ID	INTEGER NOT NULL	<p>The order status ID. Valid values are:</p> <p><b>1</b> Pending Order. The customer can still modify the order. If left too long, the order might be considered abandoned.</p> <p><b>2</b> Cancelled. The customer has cancelled their order.</p> <p><b>3</b> Submitted. The customer has not initiated payment yet.</p> <p><b>4</b> The customer initiated payment, and inventory was successfully updated.</p> <p><b>5</b> The customer initiated payment, and the inventory failed. The order is pending due to inventory issues.</p> <p><b>6</b> The customer has initiated payment, and payment was authorized.</p> <p><b>7</b> The order has been shipped.</p> <p><b>Note:</b> The status of 1, 3, 4, or 5 imply pending.</p> <p><b>8</b> Indicates an order template.</p>

Name	Datatype Null option	Comment
ORDER_STATUS	CHAR(1) NOT NULL	<p>The order status. Valid values are:</p> <p><b>P</b> Pending Order. The customer can still modify the order. If left too long, the order might be considered abandoned.</p> <p><b>X</b> Cancelled. The customer has cancelled their order.</p> <p><b>I</b> Submitted. The customer has not initiated payment yet.</p> <p><b>M</b> The customer initiated payment, and the inventory was successfully updated.</p> <p><b>L</b> The customer initiated payment, and the inventory failed. The status is pending due to inventory issues.</p> <p><b>C</b> The customer has initiated payment, and payment was authorized.</p> <p><b>S</b> The order has been shipped.</p> <p><b>Q</b> Indicates an order template.</p> <p><b>Note:</b> The status of P, I, L or M imply pending.</p>
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member Column Name
XPKFACT_ADJUSTMENT	Yes	PER_ID MEMBER_ID STORE_ID PRODUCT_ID ORDERITEMS_ID ORDER_ID FACT_ADJUSTMENT_ID
XIF1FACT_ADJUSTMEN	No	MEMBER_ID
XIF2FACT_ADJUSTMEN	No	HOUR_ID
XIF3FACT_ADJUSTMEN	No	STORE_ID
XIF4FACT_ADJUSTMEN	No	ADDRESS_ID
XIF5FACT_ADJUSTMEN	No	PRODUCT_ID
XIF6FACT_ADJUSTMEN	No	PER_ID

## Primary key column name

FACT\_ADJUSTMENT\_ID  
MEMBER\_ID  
ORDERITEMS\_ID  
ORDER\_ID  
PER\_ID  
PRODUCT\_ID  
STORE\_ID

## Child table name

None.

## Parent table name

PERIOD  
PRODUCT  
ADDRESS  
STORE  
HOUR  
MEMBER

---

## FACT\_COUPON

### Column

Name	Datatype Null option	Comment
MEMBER_ID	BIGINT NOT NULL	The member ID.
HOUR_ID	INTEGER NOT NULL	The hour ID.
FACT_COUPON_ID	BIGINT NOT NULL	The fact coupon ID. This ID is a generated ID and it is unique for every record. Use the identity feature from DB2.
COUPON_ID	BIGINT NOT NULL	A coupon ID. This ID is a foreign key to the coupon promotion table (COUPON). This ID matches the WebSphere Commerce ID and it is sourced from CPPMN.CPPMN_ID.
PER_ID	INTEGER NOT NULL	A uniquely generated ID that is used for joining the PERIOD table to all other FACT tables. This ID allows the user to select or group dates into standard period definitions, such as week, month, quarter, year, and fiscal periods.
COUPON_WALLET_ID	BIGINT NULL	The coupon wallet ID. This ID relates to the WCS.CPWALLET_ID, that is used to join to other tables. CPWALLET indicates that a user has accepted a coupon promotion. This ID will be NULL when tracking the number of displays for a coupon promotion.

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
ORDERITEMS_ID	BIGINT NULL	The actual line item ID. This ID is populated from the ORDERITEMS table that this coupon is being applied against.
ORDER_ID	BIGINT NULL	The order ID, which is a generated unique key for this specific order. This ID is populated from the ORDERITEMS table from the orderItem this coupon is being applied to.
STORE_ID	INTEGER NULL	The store identifier.
PRODUCT_ID	BIGINT NULL	The product unique ID.
ADDRESS_ID	BIGINT NULL	The address ID is a unique reference number that is internally generated by WebSphere Commerce.
NUM_DISPLAYED	INTEGER NULL	The number displayed, which is either 0 or 1. This number is used with SUM(). It indicates that a coupon has been displayed to a user or viewed by a user through e-mail.
NUM_ACCEPTED	INTEGER NULL	The number accepted, which is either 0 or 1. This number is used with SUM(). It indicates that this customer has responded to a banner ad, e-mail, or offer list and that this customer has put this coupon promotion into their coupon wallet.
NUM_APPLIED	INTEGER NULL	The number applied, which is either 0 or 1. This number is used with SUM(). It indicates that this coupon has been applied to an orderItem. It does indicate whether or not the orderItem was purchased yet.
NUM_REDEEMED	INTEGER NULL	The number redeemed, which is either 0 or 1. This number is used with SUM. It indicates when a coupon is associated with a completed orderItem.
AD_TYPE_ID	INTEGER NULL	The advertisement type ID. This ID is a WCA-provided ID linking to the AD_TYPE_REF table and the L_AD_TYPE_REF view. This ID is an indicator of how the advertisement was accepted (either by e-mail, banner ad, offer list, or some other method).

Name	Datatype Null option	Comment
AD_TYPE	CHAR(40) NULL	The advertisement type, which is language-dependent text that serves as an indicator of how the advertisement was accepted (either by e-mail, banner ad, offer list, or some other method). Basically, the text is pushed down for the specific language in this column from the L_AD_TYPE_REF view. This view automatically takes care of the language identification.
CPN_STATUS_ID	INTEGER NOT NULL	The coupon status ID, which is a WCA-created ID that is used to map the WebSphere Commerce values to WCA values.
CPN_STATUS	CHAR(32) NULL	The coupon status, which is a WCA-created translated content that matches the <b>CPN_STATUS_MAP</b> field. Valid status values are: Active Deleted Expired
CPN_TYPE_ID	INTEGER NULL	The coupon type ID, which is a WCA-provided ID and is unique for each CPN_TYPE_MAP.
CPN_TYPE	CHAR(32) NULL	The coupon type, which is a WCA-provided translated content. Product Category Order
CPN_SALES_VALUE	DECIMAL(20,5) NULL	The coupon sales value that indicates the total sales value for the line item affected by this coupon, excluding any discounts that include the discount for the coupon. This value is taken from the TOTALPRODUCT column of the ORDERITEMS table. This field is only populated when a coupon has been redeemed.
CPN_DISC_VALUE	DECIMAL(20,5) NULL	The coupon discount value that indicates the total value of the coupon for this orderItem.
CPN_DISC_CURR	CHAR(3) NULL	The coupon discount currency that indicates the currency that the CPN_DISC_VALUE column is in.
POT_SALES_VALUE	DECIMAL(20,5) NULL	The potential sales value for a coupon. This field is only populated when a coupon has not been redeemed yet, but the coupon has been applied to an order.

Name	Datatype Null option	Comment
DISPLAYED_STMP	TIMESTAMP NULL	The TIMESTAMP column that indicates when this coupon was displayed to a user. This information comes from the WSA.HIT_FACTS table.
ACCEPTED_STMP	TIMESTAMP NULL	The TIMESTAMP column that indicates when the user accepted the coupon or put the coupon in their coupon wallet. The source is WCS.CPWALLET.TIMEACCEPT.
APPLIED_STMP	TIMESTAMP NULL	The time stamp for when the user applied the coupon to the order. This timestamp should be taken from the table replication timestamp column in the CPITMAP replication table. This timestamp is when the customer actually used the coupon but has not redeemed the coupon yet.
REDEEMED_STMP	TIMESTAMP NULL	The time stamp when the coupon was redeemed. This timestamp is taken from the ORDERITEMS timestamp field when the ORDERITEM moves to one of the completed states.
LAST_UPDATED	TIMESTAMP NOT NULL	The timestamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member Column Name
XPKFACT_COUPON	Yes	MEMBER_ID HOUR_ID FACT_COUPON_ID COUPON_ID PER_ID
XIF1FACT_COUPON	No	COUPON_ID
XIF2FACT_COUPON	No	PRODUCT_ID
XIF3FACT_COUPON	No	STORE_ID
XIF4FACT_COUPON	No	PER_ID
XIF5FACT_COUPON	No	MEMBER_ID
XIF6FACT_COUPON	No	HOUR_ID
XIF7FACT_COUPON	No	ADDRESS_ID

## Primary key column name

COUPON\_ID  
FACT\_COUPON\_ID



HOUR\_ID  
MEMBER\_ID  
PER\_ID

### Child table name

None.

### Parent table name

ADDRESS  
HOUR  
MEMBER  
PERIOD  
STORE  
PRODUCT  
COUPON

---

## FACT\_CPGN\_STATS

This table contains the statistics related to campaigns. The statistics include the number of impressions and the number of click-throughs.

### Column

Name	Datatype Null option	Comment
CAMPREL_ID	BIGINT NOT NULL	A unique CAMPREL ID.
STORE_ID	INTEGER NOT NULL	The store the statistics are associated with.
PER_ID	INTEGER NOT NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.
IMPRESSIONS	BIGINT NULL	The number of impressions in a campaign.
SUM_PREV_IMPRESS	BIGINT NULL	The summation of all previous Impression Counts for previous periods (PER_ID) back to when the counts were set to zero by the system administrator.
CLICKS	BIGINT NULL	The number of clicks in a campaign.
SUM_PREV_CLICKS	BIGINT NULL	The summation of all previous Click Counts for previous periods (PER_ID) back to when the counts were set to zero by the system administrator.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.

Name	Datatype Null option	Comment
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_FACT_CPGN_STATS	Yes	CAMPREL_ID
UI_FACT_CPGN_STATS	Yes	STORE_ID
UI_FACT_CPGN_STATS	Yes	PER_ID
XIE1FACT_CPGN_STAT	No	LAST_UPDATED
XIF127FACT_CPGN_ST	No	STORE_ID
XIF143FACT_CPGN_ST	No	PER_ID
XIF31FACT_CPGN_STA	No	CAMPREL_ID

## Primary key column name

CAMPREL\_ID  
STORE\_ID  
PER\_ID

## Child table name

None.

## Parent table name

PERIOD  
STORE  
CAMP\_INIT\_MPE\_REL

## FACT\_EVENT

This table holds the actual impression and click counts for the various event types. In addition, it holds some measures that try to determine the effectiveness of the various campaigns, and these measures only relate to the CLICKINFO event type.

## Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	The period ID identifying the date and fiscal year information when this event occurred.
MEMBER_ID	BIGINT NOT NULL	The member ID associated with this.
IMPRS_ID	BIGINT NOT NULL	A unique impressions ID. Internally this is a USRTRAFFIC_ID.

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
IMPRS_SUB_ID	INTEGER NOT NULL	0 represents an entry in the USRTRAFFIC table while the non-zero entries are CAMPREL_ID. This change is different than the content from WCA 1.1 and generates uniqueness.
HOURL_ID	INTEGER NOT NULL	The hour the impression or event took place.
EVENT_TYPE_ID	INTEGER NOT NULL	The event type ID, the actual meanings can be pulled from the EVENT_TYPE_REF table. Valid values are: Product Display Category Display Click Info Awareness Ad Product Recommendation.
STORE_ID	INTEGER NOT NULL	The store at which the order was placed.
RUN_NO	INTEGER NOT NULL	The run number that indicates a version number for when the metrics for this table were generated. The IBM ETL supplies this number.
CATEGORY_ID	BIGINT NULL	The category ID.
PRODUCT_ID	BIGINT NULL	The product ID that could be bundle, package, product or item.
CAMPREL_ID	BIGINT NULL	The campaign that the impression or event occurred for.
NUM_IMPRS	INTEGER NULL	For a Display of a Product, Category, or Ad, this is 1.
NUM_CLICKS	INTEGER NULL	The value set to 1 for when clicks occur. Event type ClickInfo.
SLS_VAL_CLKS	DECIMAL(20,5) NULL	The sales Value associated with clicks, in terms of the original Order Currency.
STR_SLS_VAL_CLKS	DECIMAL(20,5) NULL	The sales value associated with clicks, in terms of the currency of the store. The currency conversion table has been applied to this number.
RPT_SLS_VAL_CLKS	DECIMAL(20,5) NULL	The reporting sales value of Clicks. The currency conversion table has been applied to this number.
NUM_CKS_TO_ORD	INTEGER NULL	The estimate number of clicks to generate an order.
ORDER_CURRENCY	CHAR(3) NULL	The currency the order was placed in.

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
STORE_CURRENCY	CHAR(3) NULL	The currency the store operates in.
REPORT_CURRENCY	CHAR(3) NULL	The currency the reporting is done with.
ENTRY_TIME	TIMESTAMP NULL	The time stamp of the entry occurrence.
SESSION_ID	BIGINT NULL	Deprecated field. This field was never populated. See USR_SESSION_ID
USR_SESSION_ID	VARCHAR(64) NULL	The users session ID.
IP_ADDRESS	VARCHAR(254) NULL	The Internet Protocol (IP) address of where the user is coming from.
REFURL_DOMAIN	VARCHAR(100) NULL	The domain portion of the REFURL, referral uniform resource locator (URL), field. This URL is truncated after the ending slash in order to capture only the domain related portion and if this sub portion is longer than 100 bytes it is further truncated to fit into 100 bytes.
REFURL	LONG VARCHAR NULL	The referral URL from another site.
REDIRURL	LONG VARCHAR NULL	The URL of the Web page that the user was redirected to, if the command resulted in a redirection.
PREVURL	LONG VARCHAR NULL	The previous URL the member was on.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

<b>Name</b>	<b>Unique</b>	<b>Member column name</b>
IWPK_FACT_EVENT	Yes	PER_ID
IWPK_FACT_EVENT	Yes	MEMBER_ID
IWPK_FACT_EVENT	Yes	IMPRS_ID
IWPK_FACT_EVENT	Yes	IMPRS_SUB_ID
IWPK_FACT_EVENT	Yes	HOURL_ID
IWPK_FACT_EVENT	Yes	EVENT_TYPE_ID
IWPK_FACT_EVENT	Yes	STORE_ID
IWPK_FACT_EVENT	Yes	RUN_NO
UI_FACT_EVENT	Yes	IMPRS_ID

<b>Name</b>	<b>Unique</b>	<b>Member column name</b>
UI_FACT_EVENT	Yes	IMPRS_SUB_ID
XIE10FACT_EVENT	No	LAST_UPDATED
IMPRESSION_2	No	CATEGORY_ID
IMPRESSION_4	No	EVENT_TYPE_ID
XAK_ENTRY_TIME	No	ENTRY_TIME
XAKFACT_EVENT_PROD	No	PRODUCT_ID
XIE7FACT_EVENT	No	PER_ID
XIE7FACT_EVENT	No	RPT_SLS_VAL_CLKS
XIE7FACT_EVENT	No	NUM_CLICKS
XIE7FACT_EVENT	No	NUM_IMPRS
XIE7FACT_EVENT	No	MEMBER_ID
XIE7FACT_EVENT	No	STORE_ID
XIE7FACT_EVENT	No	CAMPREL_ID
XIE8FACT_EVENT	No	MEMBER_ID
XIE8FACT_EVENT	No	STORE_ID
XIE8FACT_EVENT	No	NUM_CLICKS
XIE8FACT_EVENT	No	RPT_SLS_VAL_CLKS
XIE8FACT_EVENT	No	NUM_IMPRS
XIE8FACT_EVENT	No	PRODUCT_ID
XIE8FACT_EVENT	No	PER_ID
XIE8FACT_EVENT	No	EVENT_TYPE_ID
XIE9FACT_EVENT	No	EVENT_TYPE_ID
XIE9FACT_EVENT	No	MEMBER_ID
XIE9FACT_EVENT	No	STORE_ID
XIE9FACT_EVENT	No	STORE_CURRENCY
XIE9FACT_EVENT	No	REPORT_CURRENCY
XIE9FACT_EVENT	No	RPT_SLS_VAL_CLKS
XIE9FACT_EVENT	No	STR_SLS_VAL_CLKS
XIE9FACT_EVENT	No	NUM_CLICKS
XIE9FACT_EVENT	No	NUM_IMPRS
XIE9FACT_EVENT	No	PER_ID
XIF35FACT_EVENT	No	HOURL_ID
XIF37FACT_EVENT	No	MEMBER_ID
XIF49FACT_EVENT	No	STORE_ID
XIF50FACT_EVENT	No	PER_ID
XIF60FACT_EVENT	No	CAMPREL_ID

### **Primary key column name**

PER\_ID  
MEMBER\_ID  
IMPRS\_ID

IMPRS\_SUB\_ID  
 HOUR\_ID  
 EVENT\_TYPE\_ID  
 STORE\_ID  
 RUN\_NO

### Child table name

None.

### Parent table name

CAMP\_INIT\_MPE\_REL  
 PERIOD  
 STORE  
 MEMBER  
 HOUR

---

## FACT\_INTEREST

This table records that a user showed interest in an item, by putting it into an order or a wish list. Information on attributes of the product, such as color or size, is recorded for the item. No entry is recorded if the item did not have attributes.

### Column

Name	Datatype Null option	Comment
INTEREST_EVENT_ID	BIGINT NOT NULL	A unique ID to designate a Web event that indicates an interest of the user. This table collects information on two types: InterestAdd (wish list) and OrderItemAdd.
MEMBER_ID	BIGINT NOT NULL	The member ID associated with this indicated interest.
PROD_ATTR_ID	BIGINT NOT NULL	The attribute ID that was being used at the time the product/item/bundle was added to the members interest list or order.
STORE_ID	INTEGER NOT NULL	The store that the member was shopping on at the time the product/item/bundle was added to the members interest list or order.
PRODUCT_ID	BIGINT NOT NULL	The product ID that was added at the time the product/item/bundle was added to the members interest list or order.
PER_ID	INTEGER NOT NULL	A unique ID to designate a Web event that indicates an interest of the user. This table collects information on two types: InterestAdd (wish list) and OrderItemAdd.

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
RUN_NO	INTEGER NOT NULL	The run number that indicates a version number for when the metrics for this table were generated. The IBM ETL supplies this number.
CATALOG_ID	BIGINT NULL	A unique catalog ID.
ITEM_ADD_TYPE	INTEGER NULL	An indication whether this entry is related to addition by the members to their interest list or to their order items.
PROD_ATTR_VALUE	CHAR(30) NULL	The value that was associated with attribute. For example, if the attribute was color the values would be the actual color, red, black, and so on.
LANGUAGE_ID	INTEGER NULL	An indication of the language that the entries were made in, thus the attribute was color, the value would be language base.
QUANTITY	DOUBLE NULL	An indication of the quantity of the item that the member desires.
ORDER_ID	BIGINT NULL	Not used in this release.
ITEMLIST_ID	BIGINT NULL	Not used in this release.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

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<b>Name</b>	<b>Unique</b>	<b>Member column name</b>
XPKFACT_INTEREST	Yes	INTEREST_EVENT_ID
XPKFACT_INTEREST	Yes	MEMBER_ID
XPKFACT_INTEREST	Yes	PROD_ATTR_ID
XPKFACT_INTEREST	Yes	STORE_ID
XPKFACT_INTEREST	Yes	PRODUCT_ID
XPKFACT_INTEREST	Yes	PER_ID
XPKFACT_INTEREST	Yes	RUN_NO
UI_FACT_INTEREST	Yes	INTEREST_EVENT_ID
UI_FACT_INTEREST	Yes	PROD_ATTR_ID
XIE1FACT_INTEREST	No	LAST_UPDATED
XIF101FACT_INTERES	No	PRODUCT_ID
XIF102FACT_INTERES	No	PROD_ATTR_ID

Name	Unique	Member column name
XIF103FACT_INTERES	No	MEMBER_ID
XIF104FACT_INTERES	No	STORE_ID
XIF149FACT_INTERES	No	CATALOG_ID

### Primary key column name

INTEREST\_EVENT\_ID  
MEMBER\_ID  
PROD\_ATTR\_ID  
STORE\_ID  
PRODUCT\_ID  
PER\_ID  
RUN\_NO

### Child table name

None.

### Parent table name

PERIOD  
CATALOG  
STORE  
MEMBER  
PRODUCT\_ATTRIBUTE  
PRODUCT

---

## FACT\_INTEREST\_LIST

This table captures information about items/packages/bundles/products that users have actually added to their interest list. The list reflects the contents at the time of an ETL from the Web store.

### Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	The day the interest list event.
MEMBER_ID	BIGINT NOT NULL	The member ID associated with this indicated wish list activity.
PRODUCT_ID	BIGINT NOT NULL	The product, item, bundle, or package that the member is interested in.
STORE_ID	INTEGER NOT NULL	The store at which the member placed the item in the interest list.
ITEMLIST_ID	BIGINT NOT NULL	The unique ID for interest list items.
SEQUENCE	DOUBLE NULL	The sequence of the items.
QUANTITY	DOUBLE NULL	The desired quantity of the item the member requires.



Name	Datatype Null option	Comment
CURRENCY	CHAR(3) NULL	The currency associated with the estimated value.
EST_VALUE	DECIMAL(20,5) NULL	The estimated value of the item if it were converted into a sale.
ITEM_LAST_UPDATED	TIMESTAMP NULL	The last time the interested item was updated by the user.
DELETED_STATUS	INTEGER NULL	The status indicator for interest list item deletion: <b>1</b> Yes this was deleted. <b>2</b> No this was not deleted.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKFACT_INTEREST_L	Yes	PER_ID
XPKFACT_INTEREST_L	Yes	MEMBER_ID
XPKFACT_INTEREST_L	Yes	PRODUCT_ID
XPKFACT_INTEREST_L	Yes	STORE_ID
XPKFACT_INTEREST_L	Yes	ITEMLIST_ID
UI_FACT_INTEREST_L	Yes	ITEMLIST_ID
UI_FACT_INTEREST_L	Yes	PRODUCT_ID
XIE1FACT_INTEREST_	No	LAST_UPDATED
XIF113FACT_INTERES	No	PER_ID
XIF97FACT_INTEREST	No	PRODUCT_ID
XIF98FACT_INTEREST	No	STORE_ID
XIF99FACT_INTEREST	No	MEMBER_ID

## Primary key column name

PER\_ID  
MEMBER\_ID  
PRODUCT\_ID  
STORE\_ID  
ITEMLIST\_ID

## Child table name

None.

## Parent table name

PERIOD  
MEMBER  
STORE

PRODUCT

**FACT\_METAPHOR**

This table records events related to metaphor usage.

**Column**

Name	Datatype Null option	Comment
MEMBER_ID	BIGINT NOT NULL	The member ID.
STORE_ID	INTEGER NOT NULL	The store ID.
CATEGORY_ID	INTEGER NOT NULL	The category ID.
META_EVENT_ID	BIGINT NOT NULL	A unique ID for the particular metaphor event.
METAPHOR_TYPE	INTEGER NULL	Metaphors types are: 1 Product Explorer 2 Product Comparison 3 Guided Sell
COUNT	INTEGER NULL	The count of number of these events.
STR_SLS_VAL_META	DECIMAL(20,5) NULL	The revenue associated with this metaphor, in terms of the store currency.
STORE_CURRENCY	CHAR(3) NULL	The currency of the store.
RPT_SLS_VAL_META	DECIMAL(20,5) NULL	The revenue associated with this metaphor, in terms of the reporting currency.
REPORT_CURRENCY	CHAR(3) NULL	The reporting currency.
PER_ID	INTEGER NOT NULL	The time period of the occurrence of the metaphor, as derived from the time stamp.
HOUR_ID	INTEGER NULL	The hour ID of the occurrence of the metaphor, as derived from the time stamp.
ENTRY_TIME	TIMESTAMP NULL	The time period of the occurrence of the metaphor.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

**Index**

Name	Unique	Member column name
XPKFACT_METAPHOR	Yes	MEMBER_ID

Name	Unique	Member column name
XPKFACT_METAPHOR	Yes	STORE_ID
XPKFACT_METAPHOR	Yes	CATEGORY_ID
XPKFACT_METAPHOR	Yes	META_EVENT_ID
UI_FACT_METAPHOR	Yes	META_EVENT_ID
XIE1FACT_METAPHOR	No	METAPHOR_TYPE
XIE1FACT_METAPHOR	No	MEMBER_ID
XIE1FACT_METAPHOR	No	PER_ID
XIE1FACT_METAPHOR	No	STORE_ID
XIE2FACT_METAPHOR	No	METAPHOR_TYPE
XIE2FACT_METAPHOR	No	STORE_ID
XIE2FACT_METAPHOR	No	PER_ID
XIE2FACT_METAPHOR	No	MEMBER_ID
XIE3FACT_METAPHOR	No	CATEGORY_ID
XIE3FACT_METAPHOR	No	STORE_ID
XIE3FACT_METAPHOR	No	METAPHOR_TYPE
XIE3FACT_METAPHOR	No	MEMBER_ID
XIE3FACT_METAPHOR	No	STORE_CURRENCY
XIE3FACT_METAPHOR	No	REPORT_CURRENCY
XIE3FACT_METAPHOR	No	RPT_SLS_VAL_META
XIE3FACT_METAPHOR	No	STR_SLS_VAL_META
XIE3FACT_METAPHOR	No	COUNT
XIE3FACT_METAPHOR	No	PER_ID
XIE4FACT_METAPHOR	No	LAST_UPDATED

### Primary key column name

MEMBER\_ID  
STORE\_ID  
CATEGORY\_ID  
META\_EVENT\_ID

### Child table name

None.

### Parent table name

None.

---

## FACT\_ORDERITEMS

The table records information for each individual line item in an order.

## Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	The day the item was created in the order, which is kept the same as the FACT_ORDER table.
MEMBER_ID	BIGINT NOT NULL	The member ID associated with this order item.
HOUR_ID	INTEGER NOT NULL	The hour the item was created in the order, which is kept the same as the FACT_ORDER table.
PRODUCT_ID	BIGINT NOT NULL	The product (product, item, bundle, package, kit) that was ordered.
STORE_ID	INTEGER NOT NULL	The store at which the order was placed.
ORDERITEMS_ID	BIGINT NOT NULL	The actual line item ID.
ACCOUNT_ID	BIGINT NULL	The account ID associated with this order item.
CONTRACT_ID	BIGINT NULL	The contract ID associated with this order item.
RFQRSP_ID	BIGINT NULL	The winning RFQ Response ID that resulted in an item being ordered.
TRADING_ID	BIGINT NULL	The generic trading ID associated with this order item. This can be a contract ID, an account ID, or a winning RFQ response ID.
TRDTYPE_ID	INTEGER NULL	The trading type ID: <b>0</b> Account <b>1</b> Contract <b>2</b> RFQReq <b>3</b> RFQResp <b>4</b> RFQResult <b>5</b> Exchange <b>6</b> Auction <b>7</b> ReverseAuction <b>Null</b> If none of the above
ORDER_ID	BIGINT NULL	The order ID associated with this order item.
ADDRESS_ID	BIGINT NULL	The shipping address for the order.
SHIPMODE_ID	INTEGER NULL	The shipping mode unique ID.
FFMCENTER_ID	INTEGER NULL	The fulfillment center dealing with the order.
SESSION_ID	BIGINT NULL	Deprecated field. This field was never populated in any release.
ORDER_STATUS_ID	INTEGER NULL	The status of the order.

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
NUM_UNITS	DOUBLE NULL	The number of units ordered.
UNIT_PRICE	DECIMAL(20,5) NULL	The unit price.
GIFT	INTEGER NULL	The flat that indicates whether the order item was a gift. A value of 1 indicates it is a gift. An item is a gift if it was not purchased by an account, contract, or RFQ; and the address associated with the purchaser is not a self address.
ABANDONED	INTEGER NULL	An indication of whether an order was abandoned or not during the order process. This field is populated during post processing ETL using parameters from the PARAMETER table to determine the definition of abandoned. One parameter is for the time duration to determine the expiration, and the other is the order status' that can be considered.
CREATED_TIME	TIMESTAMP NULL	The time this item was added to an order. This does not change if the item is updated.
UPDATED_TIME	TIMESTAMP NULL	The time the order item was updated last.
UNIT_DESC	VARCHAR(254) NULL	The description of the unit, for example carton, associated with this item.
SALES_VALUE	DECIMAL(20,5) NULL	The value of the item in the currency that order was placed in.
STR_SALES_VALUE	DECIMAL(20,5) NULL	The value in terms of the preferred currency of the store.
RPT_SALES_VALUE	DECIMAL(20,5) NULL	The value of line item in the reporting currency.
DISCOUNTS	DECIMAL(20,5) NULL	The actual discount in the currency of the order. Adjustments — either discounts (a negative value) or credits (a positive value) for the order. The value is in the currency of the order.
STR_DISCOUNTS	DECIMAL(20,5) NULL	The order adjustment converted to the store currency.
RPT_DISCOUNTS	DECIMAL(20,5) NULL	The order adjustment converted to the reporting currency.
SHIPCHARGE	DECIMAL(20,5) NULL	The actual shipping charge in the currency that the order was placed in.
STR_SHIPCHARGE	DECIMAL(20,5) NULL	The ship charge converted to the currency of the store.

Name	Datatype Null option	Comment
RPT_SHIPCHARGE	DECIMAL(20,5) NULL	The shipping charge converted to the reporting currency equivalent.
ORDER_CURRENCY	CHAR(3) NULL	The currency that the actual order was placed in.
STORE_CURRENCY	CHAR(3) NULL	The currency associated with the store.
REPORT_CURRENCY	CHAR(3) NULL	The reporting currency used for consolidated reporting.
DELETED_STATUS	INTEGER NULL	The deleted status for this item. Valid values are: <b>0</b> No <b>1</b> Yes
OFFER_ID	BIGINT NULL	A unique ID for the offer.
OFFER_PRODUCT_ID	BIGINT NULL	The product for that offer.
OFFER_PRICE	DECIMAL(20,5) NULL	The price for nominal amount of the offer product.
OFFER_CURRENCY	CHAR(3) NULL	The currency associated with the OFFER_PRICE.
INVNTRY_STAT_ID	INTEGER NULL	An ID designating the allocation status of inventory for this OrderItem. Values in reference table reflect: <b>1</b> NALC, inventory is neither allocated nor backordered. <b>2</b> BO, inventory is backordered. <b>3</b> ALLC, inventory is allocated. <b>4</b> FUL, inventory has been released for fulfillment.
ESTAVAILTIME	TIMESTAMP NULL	An estimate of when sufficient inventory will be available to fulfill this OrderItem. This estimate does not include the shipping offset.
DEPOSITED_AMT	DECIMAL(20,5) NULL	The amount deposited for this OrderItem in the currency of DEPOSITED_CURRENCY.
DEPOSITED_CURRENCY	CHAR(3) NULL	The deposited currency.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

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Name	Unique	Member column name
PK_ORDERITEMS	Yes	PER_ID
PK_ORDERITEMS	Yes	MEMBER_ID
PK_ORDERITEMS	Yes	HOUR_ID
PK_ORDERITEMS	Yes	PRODUCT_ID
PK_ORDERITEMS	Yes	STORE_ID
PK_ORDERITEMS	Yes	ORDERITEMS_ID
UI_FACT_ORDERITEMS	Yes	ORDERITEMS_ID
XIE1FACT_ORDERITEM	No	CREATED_TIME
XIE10FACT_ORDERITE	No	ACCOUNT_ID
XIE11FACT_ORDERITE	No	CONTRACT_ID
XIE2FACT_ORDERITEM	No	ORDER_STATUS_ID
XIE2FACT_ORDERITEM	No	DELETED_STATUS
XIE2FACT_ORDERITEM	No	RPT_SALES_VALUE
XIE2FACT_ORDERITEM	No	STORE_ID
XIE2FACT_ORDERITEM	No	PRODUCT_ID
XIE2FACT_ORDERITEM	No	PER_ID
XIE2FACT_ORDERITEM	No	MEMBER_ID
XIE3FACT_ORDERITEM	No	MEMBER_ID
XIE3FACT_ORDERITEM	No	DELETED_STATUS
XIE3FACT_ORDERITEM	No	RPT_SHIPCHARGE
XIE3FACT_ORDERITEM	No	RPT_DISCOUNTS
XIE3FACT_ORDERITEM	No	RPT_SALES_VALUE
XIE3FACT_ORDERITEM	No	STORE_ID
XIE3FACT_ORDERITEM	No	PRODUCT_ID
XIE3FACT_ORDERITEM	No	PER_ID
XIE4FACT_ORDERITEM	No	PRODUCT_ID
XIE4FACT_ORDERITEM	No	DELETED_STATUS
XIE4FACT_ORDERITEM	No	RPT_SHIPCHARGE
XIE4FACT_ORDERITEM	No	RPT_DISCOUNTS
XIE4FACT_ORDERITEM	No	RPT_SALES_VALUE
XIE4FACT_ORDERITEM	No	STORE_ID
XIE4FACT_ORDERITEM	No	ORDER_STATUS_ID
XIE4FACT_ORDERITEM	No	PER_ID
XIE4FACT_ORDERITEM	No	MEMBER_ID
XIE5FACT_ORDERITEM	No	PRODUCT_ID
XIE5FACT_ORDERITEM	No	MEMBER_ID
XIE5FACT_ORDERITEM	No	STORE_ID
XIE5FACT_ORDERITEM	No	STORE_CURRENCY
XIE5FACT_ORDERITEM	No	REPORT_CURRENCY

Name	Unique	Member column name
XIE5FACT_ORDERITEM	No	RPT_SHIPCHARGE
XIE5FACT_ORDERITEM	No	STR_SHIPCHARGE
XIE5FACT_ORDERITEM	No	RPT_DISCOUNTS
XIE5FACT_ORDERITEM	No	STR_DISCOUNTS
XIE5FACT_ORDERITEM	No	RPT_SALES_VALUE
XIE5FACT_ORDERITEM	No	STR_SALES_VALUE
XIE5FACT_ORDERITEM	No	PER_ID
XIE6FACT_ORDERITEM	No	DELETED_STATUS
XIE6FACT_ORDERITEM	No	STORE_ID
XIE6FACT_ORDERITEM	No	MEMBER_ID
XIE6FACT_ORDERITEM	No	PER_ID
XIE6FACT_ORDERITEM	No	PRODUCT_ID
XIE7FACT_ORDERITEM	No	ORDER_ID
XIE8FACT_ORDERITEM	No	LAST_UPDATED
XIE9FACT_ORDERITEM	No	TRADING_ID
XIF114FACT_ORDERIT	No	PER_ID
XIF115FACT_ORDERIT	No	ADDRESS_ID
XIF117FACT_ORDERIT	No	STORE_ID
XIF160FACT_ORDERIT	No	SHIPMODE_ID
XIF18FACT_ORDERITE	No	MEMBER_ID
XIF244FACT_ORDERIT	No	RFQRSP_ID
XIF245FACT_ORDERIT	No	ACCOUNT_ID
XIF246FACT_ORDERIT	No	CONTRACT_ID
XIF253FACT_ORDERIT	No	OFFER_ID
XIF254FACT_ORDERIT	No	TRADING_ID
XIF48FACT_ORDERITE	No	HOUR_ID
XIF58FACT_ORDERITE	No	PRODUCT_ID

### Primary key column name

PER\_ID  
MEMBER\_ID  
HOUR\_ID  
PRODUCT\_ID  
STORE\_ID  
ORDERITEMS\_ID

### Child table name

None.

### Parent table name

TRADING  
OFFER  
CONTRACT  
ACCOUNT



RFQ\_RSP  
SHIPMODE  
STORE  
ADDRESS  
PERIOD  
PRODUCT  
HOUR  
MEMBER

---

## FACT\_ORDERS

This table contains information about orders placed at the various stores including ordered, invoiced and shipped times.

### Column

Name	Datatype Null option	Comment
MEMBER_ID	BIGINT NOT NULL	The member ID placing this order.
PER_ID	INTEGER NOT NULL	The period ID, which is equivalent for the day of the fiscal year when the first order item or items were added to the order. This ID is based on the CREATED_TIME field, which always reflects the time of the first item placed in the order.
HOUR_ID	INTEGER NOT NULL	The hour ID.
ORDER_ID	BIGINT NOT NULL	The generated unique key for this specific order.
STORE_ID	INTEGER NOT NULL	The store at which the order was placed.
ORG_ID	BIGINT NULL	The organization ID.
ADDRESS_ID	BIGINT NULL	The billing address for the order.
SESSION_ID	BIGINT NULL	Deprecated field. This field was never populated.
TIMEPLACED	TIMESTAMP NULL	The time this Order was processed by the OrderProcess command.
LAST_UPDATE	TIMESTAMP NULL	The time this Order was most recently updated.
ABANDONED	INTEGER NULL	A heuristic is used to indicate if the order is considered to be abandoned (not purchased) once a configurable length of time passes. <b>0</b> Order is not abandoned. <b>1</b> Order is abandoned.

Name	Datatype Null option	Comment
ORDER_STATUS_ID	INTEGER NULL	The status of the order: <b>P</b> Pending <b>C</b> Completed <b>S</b> Shipped See "ORDER_STATUS_REF" on page 114.
CREATED_TIME	TIMESTAMP NULL	The time this order entry was created.
ORDERED_TIME	TIMESTAMP NULL	The date and time the order was actually ordered.
INVOICED_TIME	TIMESTAMP NULL	The date and time the order was actually invoiced.
SHIPPED_TIME	TIMESTAMP NULL	The date and time the order was actually shipped.
TOTAL_SHIPPING	DECIMAL(20,5) NULL	The sum of FACT_ORDERITEMS.SHIPCHARGE for the order items in the order. Value is in the currency of the order. This sum is in terms of the currency of the order, ORDER_CURR. No conversion is applied to this value.
TOTAL_VALUE	DECIMAL(20,5) NULL	The sum of FACT_ORDERITEMS.SALES_VALUE for the order items in the order. Value is in the currency of the order. This sum is in terms of the currency of the order, ORDER_CURR. No conversion is applied to this value.
DISCOUNTS	DECIMAL(20,5) NULL	The adjustments for the order. Discounts are recorded as negative numbers and credits are positive. The value is in the currency of the order. This value is in terms of the currency of the order, ORDER_CURR. No conversion is applied to this value.
STR_TOTAL_SHIPPING	DECIMAL(20,5) NULL	The value in terms of the preferred currency of the store. This value can differ from the currency used to place the order. The Currency Conversion table values are applied to calculate this number.
RPT_TOTAL_SHIPPING	DECIMAL(20,5) NULL	The value in terms of the Overall Reporting Currency since each store could be configured to have different preferred currencies. The Currency Conversion table values are applied to calculate this number.

Name	Datatype Null option	Comment
STR_TOTAL_VALUE	DECIMAL(20,5) NULL	The value in terms of the preferred currency of the store. This value can differ from the currency used to place the order. The Currency Conversion table values are applied to calculate this number.
RPT_TOTAL_VALUE	DECIMAL(20,5) NULL	The value in terms of the Overall Reporting Currency since each store could be configured to have different preferred currencies. The Currency Conversion table values are applied to calculate this number.
STR_DISCOUNTS	DECIMAL(20,5) NULL	The value in terms of the preferred currency of the store. This value can differ from the currency used to place the order. The Currency Conversion table values are applied to calculate this number.
RPT_DISCOUNTS	DECIMAL(20,5) NULL	The value in terms of the Overall Reporting Currency since each store could be configured to have different preferred currencies. The Currency Conversion table values are applied to calculate this number.
ORDER_CURRENCY	CHAR(3) NULL	The currency that the order is placed in, which can differ from the currency of the store. This joins to the FromCURR in the currency conversion table.
STORE_CURRENCY	CHAR(3) NULL	The currency to use if reporting at the store level.
REPORT_CURRENCY	CHAR(3) NULL	The currency to use for reporting.
DELETED_STATUS	INTEGER NULL	An indication of whether the customer deleted this item from his order. <b>0</b> No <b>1</b> Yes
DEPOSITED_AMT	DECIMAL(20,5) NULL	The amount deposited for this order in the currency of ORDER_CURRENCY.
STR_DEPOSITED_AMT	DECIMAL(20,5) NULL	The amount deposited for this order in the currency of the store.
RPT_DEPOSITED_AMT	DECIMAL(20,5) NULL	The amount deposited for this order in the reporting currency of the system.
REFUND_CURRENCY	CHAR(3) NULL	The currency for any refund amount.

Name	Datatype Null option	Comment
REFUNDED_AMT	DECIMAL(20,5) NULL	The amount refunded on the order.
STR_REFUNDED_AMT	DECIMAL(20,5) NULL	The amount refunded on the order in the default currency of the store.
RPT_REFUNDED_AMT	DECIMAL(20,5) NULL	The amount refunded on the order stated in the reporting currency.
ORM_ORDER_REF	VARCHAR(30) NULL	A merchant assigned order reference number, if any.
TAX_TOTAL	DECIMAL(20,5) NULL	The total sales taxes associated with this Order in terms of the ORDER_CURRENCY.
STR_TAX_TOTAL	DECIMAL(20,5) NULL	The total sales taxes associated with this Order in terms of STR_CURRENCY.
RPT_TAX_TOTAL	DECIMAL(20,5) NULL	The total sales taxes associated with this Order in terms of RPT_CURRENCY.
TAX_SHIPPING	DECIMAL(20,5) NULL	The total shipping taxes associated with this Order in terms of the ORDER_CURRENCY.
STR_TAX_SHIPPING	DECIMAL(20,5) NULL	The total shipping taxes associated with this Order in terms of STORE_CURRENCY.
RPT_TAX_SHIPPING	DECIMAL(20,5) NULL	The total shipping taxes associated with this Order in terms of RPT_CURRENCY.
BUYERPO_ID	BIGINT NULL	A unique ID for the purchase order of the buyer. Note this ID is not the actual Purchase Order Number. WCA does not carry the real PO Number. This field is used to indicate that this order was done via a purchase order.
BUYERPOTYP_ID	INTEGER NULL	The type of purchase order. See "BUYERPOTYP_REF" on page 25.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
P_ORDERS	Yes	MEMBER_ID
P_ORDERS	Yes	PER_ID
P_ORDERS	Yes	HOUR_ID
P_ORDERS	Yes	ORDER_ID

Name	Unique	Member column name
P_ORDERS	Yes	STORE_ID
UI_FACT_ORDERS	Yes	ORDER_ID
XAK2FT_ORD_CREATED	No	CREATED_TIME
XIE2FACT_ORDERS	No	DELETED_STATUS
XIE2FACT_ORDERS	No	PER_ID
XIE2FACT_ORDERS	No	MEMBER_ID
XIE2FACT_ORDERS	No	STORE_ID
XIE2FACT_ORDERS	No	RPT_TOTAL_VALUE
XIE3FACT_ORDERS	No	DELETED_STATUS
XIE3FACT_ORDERS	No	PER_ID
XIE3FACT_ORDERS	No	MEMBER_ID
XIE3FACT_ORDERS	No	STORE_ID
XIE3FACT_ORDERS	No	ORDER_ID
XIE4FACT_ORDERS	No	DELETED_STATUS
XIE4FACT_ORDERS	No	PER_ID
XIE4FACT_ORDERS	No	MEMBER_ID
XIE4FACT_ORDERS	No	STORE_ID
XIE4FACT_ORDERS	No	ORDER_ID
XIE4FACT_ORDERS	No	RPT_TOTAL_VALUE
XIE5FACT_ORDERS	No	LAST_UPDATED
XIF120FACT_ORDERS	No	MEMBER_ID
XIF161FACT_ORDERS	No	HOUR_ID
XIF257FACT_ORDERS	No	ORG_ID
XIF62FACT_ORDERS	No	STORE_ID
XIF64FACT_ORDERS	No	PER_ID
XIF65FACT_ORDERS	No	ADDRESS_ID

### Primary key column name

MEMBER\_ID  
PER\_ID  
HOUR\_ID  
ORDER\_ID  
STORE\_ID

### Child table name

None.

### Parent table name

ORGANIZATION  
HOUR  
MEMBER  
ADDRESS  
PERIOD  
STORE

## FACT\_PA

This table contains the invocation statistics for each Product Advisor metaphor.

### Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.
CATEGORY_ID	BIGINT NOT NULL	The category group identifier.
META_TYPE_ID	INTEGER NOT NULL	An indication of the type of metaphor (PE, PC, or SA)
STORE_ID	INTEGER NOT NULL	The store that values relate to.
COUNT	BIGINT NULL	The number of times this particular metaphor was invoked by the shopper.
SUM_PREV	BIGINT NULL	The summations of all previous COUNTS back through the period in which the numbers were reset. This field is zero for the period when this was reset on the relational database.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
UI_FACT_PA	Yes	PER_ID
UI_FACT_PA	Yes	CATEGORY_ID
UI_FACT_PA	Yes	META_TYPE_ID
UI_FACT_PA	Yes	STORE_ID
XIE1FACT_PA	No	CATEGORY_ID
XIE1FACT_PA	No	META_TYPE_ID
XIE1FACT_PA	No	STORE_ID
XIE1FACT_PA	No	COUNT
XIE1FACT_PA	No	PER_ID
XIE2FACT_PA	No	LAST_UPDATED
XIF110FACT_PA	No	STORE_ID

Name	Unique	Member column name
XIF141FACT_PA	No	PER_ID

### Primary key column name

PER\_ID  
 CATEGORY\_ID  
 META\_TYPE\_ID  
 STORE\_ID

### Child table name

None.

### Parent table name

PERIOD  
 STORE

---

## FACT\_PC

This table contains statistics related to the Product Comparison Product Advisor metaphor.

### Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.
STORE_ID	INTEGER NOT NULL	The store for which Product Comparison was utilized.
CATEGORY_ID	BIGINT NOT NULL	The category of the Product Comparison metaphor.
NUM_PRODUCTS_SHOWN	INTEGER NULL	The number of times a product comparison was shown for that store and category.
CLICKS	BIGINT NULL	The number of times a product comparison was clicked for that store and category.
SUM_PREV_PRODUCTS	BIGINT NULL	The sum of the previous counts of products shown since the last reset of the values in WebSphere Commerce.
SUM_PREV_CLICKS	BIGINT NULL	The sum of the previous clicks counts since the last reset of the values in WebSphere Commerce.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.

Name	Datatype Null option	Comment
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_FACT_PC	Yes	PER_ID
UI_FACT_PC	Yes	STORE_ID
UI_FACT_PC	Yes	CATEGORY_ID
XIE1FACT_PC	No	CATEGORY_ID
XIE1FACT_PC	No	STORE_ID
XIE1FACT_PC	No	CLICKS
XIE1FACT_PC	No	NUM_PRODUCTS_SHOWN
XIE1FACT_PC	No	PER_ID
XIE2FACT_PC	No	LAST_UPDATED
XIF112FACT_PC	No	STORE_ID
XIF140FACT_PC	No	PER_ID

## Primary key column name

PER\_ID  
STORE\_ID  
CATEGORY\_ID

## Child table name

None.

## Parent table name

PERIOD  
STORE

---

## FACT\_PE

This table contains statistics related to the Product Explorer Product Advisor metaphor.

## Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.



Name	Datatype Null option	Comment
CATEGORY_ID	BIGINT NOT NULL	The category group identifier.
STORE_ID	INTEGER NOT NULL	The store at which Product Exploration was performed.
FEATURE_ID	INTEGER NOT NULL	The feature that was utilized by Product Explorer.
COUNT	BIGINT NULL	The total number of times this a feature was searched for in Product Explorer.
SUM_PREV	BIGINT NULL	The summations of all previous COUNTS back through the period in which the numbers were reset. This field is zero for the period when this was reset on the relational database.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_FACT_PE	Yes	PER_ID
UI_FACT_PE	Yes	CATEGORY_ID
UI_FACT_PE	Yes	STORE_ID
UI_FACT_PE	Yes	FEATURE_ID
XIE1FACT_PE	No	CATEGORY_ID
XIE1FACT_PE	No	STORE_ID
XIE1FACT_PE	No	COUNT
XIE1FACT_PE	No	PER_ID
XIE2FACT_PE	No	LAST_UPDATED
XIF105FACT_PE	No	FEATURE_ID
XIF109FACT_PE	No	STORE_ID
XIF142FACT_PE	No	PER_ID

## Primary key column name

PER\_ID  
CATEGORY\_ID  
STORE\_ID  
FEATURE\_ID

## Child table name

None.

## Parent table name

PERIOD  
STORE  
FEATURES

---

## FACT\_SA

A Web shopper can use Guided Sell (SA) to find a product. This method asks a series of questions, and provides a set of possible answers from which to choose. Each question and each answer is given a unique "concept" ID.

## Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.
CONCEPT_ID	INTEGER NOT NULL	The concept identifier.
TREE_ID	INTEGER NOT NULL	The identifier for the logical tree that contains the concept question or concept answer.
STORE_ID	INTEGER NOT NULL	The store ID.
CATEGORY_ID	BIGINT NOT NULL	The category group identifier for the concept.
COUNT	BIGINT NOT NULL	The number of times the particular question or answer has been chosen in this time period. This number is on a per tree and per store basis and reflects a delta between time periods. This will never be negative.
SUM_PREV	BIGINT NULL	The summations of all previous COUNTS back through the period in which the numbers were reset. This field is zero for the period when this was reset on the relational database.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_FACT_SA	Yes	PER_ID

Name	Unique	Member column name
UI_FACT_SA	Yes	CONCEPT_ID
UI_FACT_SA	Yes	TREE_ID
UI_FACT_SA	Yes	CATEGORY_ID
UI_FACT_SA	Yes	STORE_ID
XAK1FT_SA_CONCEPT	No	CONCEPT_ID
XIE2FACT_SA	No	CONCEPT_ID
XIE2FACT_SA	No	TREE_ID
XIE2FACT_SA	No	CATEGORY_ID
XIE2FACT_SA	No	STORE_ID
XIE2FACT_SA	No	COUNT
XIE2FACT_SA	No	PER_ID
XIE3FACT_SA	No	LAST_UPDATED
XIF119FACT_SA	No	STORE_ID
XIF139FACT_SA	No	PER_ID

### Primary key column name

PER\_ID  
 CONCEPT\_ID  
 TREE\_ID  
 CATEGORY\_ID  
 STORE\_ID

### Child table name

None.

### Parent table name

PERIOD  
 STORE

---

## FACT\_VISITS

Information about visits to their Web site by registered users, when their logon was successful.

### Column

Name	Datatype Null option	Comment
VISIT_ID	BIGINT NOT NULL	A unique ID for the visit. This can be used to correlate information in the CAMPAIGN table, field CAMPAIGN_ID.
MEMBER_ID	BIGINT NOT NULL	The member ID for the person visiting the Web site.
PER_ID	INTEGER NOT NULL	The date identification of the visit. This provides the date and relationship to fiscal year.

Name	Datatype Null option	Comment
BROWSER_ID	INTEGER NOT NULL	The ID for the clients browser.
STORE_ID	INTEGER NOT NULL	The store at which the order was placed.
HOUR_ID	INTEGER NOT NULL	The hour of the visit that is derived from a time stamp.
RUN_NO	INTEGER NOT NULL	The run number that indicates a version number for when the metrics for this table were generated. The IBM ETL supplies this number.
NUM_VISITS	INTEGER NULL	The number of visits.
SERVER	VARCHAR(64) NULL	The host name of the server that processed the visit.
IP_ADDR	VARCHAR(254) NULL	The IP address of the client
REFURL_DOMAIN	VARCHAR(100) NULL	The domain portion of the REFURL, referral URL, field. This URL is truncated after the ending slash in order to capture only the domain related portion and if this sub portion is longer than 100 bytes it is further truncated to fit into 100 bytes.
REFURL	LONG VARCHAR NULL	The referral URL from another site.
REDIRURL	LONG VARCHAR NULL	The URL of the Web page that the user was redirected to, if the command resulted in a redirection.
PREVURL	LONG VARCHAR NULL	The previous URL the member was on.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKFACT_VISITS	Yes	VISIT_ID
XPKFACT_VISITS	Yes	MEMBER_ID
XPKFACT_VISITS	Yes	PER_ID
XPKFACT_VISITS	Yes	BROWSER_ID
XPKFACT_VISITS	Yes	STORE_ID
XPKFACT_VISITS	Yes	HOUR_ID
XPKFACT_VISITS	Yes	RUN_NO

Name	Unique	Member column name
UI_FACT_VISITS	Yes	VISIT_ID
XIE1FACT_VISITS	No	STORE_ID
XIE1FACT_VISITS	No	PER_ID
XIE1FACT_VISITS	No	MEMBER_ID
XIE2FACT_VISITS	No	STORE_ID
XIE2FACT_VISITS	No	NUM_VISITS
XIE2FACT_VISITS	No	PER_ID
XIE2FACT_VISITS	No	MEMBER_ID
XIE3FACT_VISITS	No	PER_ID
XIE3FACT_VISITS	No	STORE_ID
XIE3FACT_VISITS	No	MEMBER_ID
XIE4FACT_VISITS	No	BROWSER_ID
XIE4FACT_VISITS	No	MEMBER_ID
XIE4FACT_VISITS	No	STORE_ID
XIE4FACT_VISITS	No	NUM_VISITS
XIE4FACT_VISITS	No	PER_ID
XIE5FACT_VISITS	No	LAST_UPDATED
XIF83FACT_VISITS	No	BROWSER_ID
XIF84FACT_VISITS	No	MEMBER_ID
XIF85FACT_VISITS	No	PER_ID
XIF86FACT_VISITS	No	STORE_ID
XIF87FACT_VISITS	No	HOUR_ID

### Primary key column name

VISIT\_ID  
MEMBER\_ID  
PER\_ID  
BROWSER\_ID  
STORE\_ID  
HOUR\_ID  
RUN\_NO

### Child table name

None.

### Parent table name

HOUR  
STORE  
PERIOD  
MEMBER  
BROWSER

---

## FEATURES

This table stores the questions and answers generated by the Guided Sell metaphor.

### Column

Name	Datatype Null option	Comment
FEATURE_ID	INTEGER NOT NULL	The internal reference number of the feature.
CATEGORY_ID	BIGINT NULL	The internal reference number of the Catalog Group.
LOCATION	INTEGER NULL	An indication of which base table this feature comes from. Valid values: 0     CATENTRY 1     ATTRIBUTE 2     LISTPRICE 3     CATENTDESC 4     CATENTATTR 5     PKGATTR
COLUMN_NAME	VARCHAR(18) NULL	The name of the column containing values for this feature in the search space.
SEQUENCE	INTEGER NULL	The order that you display that feature.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
UI_FEATURES	Yes	FEATURE_ID
XAK1FEAT_CATEGORY	No	CATEGORY_ID
XAK2FEAT_COLUMN	No	COLUMN_NAME
XAK3FEAT_LOCATION	No	LOCATION

### Primary key column name

FEATURE\_ID

### Child table name

CONSTRAINTS  
FACT\_PE

### Parent table name

None.

---

## FFMCENTER

This table defines the actual fulfillment centers from which the goods can be shipped.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	An identifier that denotes the language the entries are in.
FFMCENTER_ID	INTEGER NOT NULL	The ID of the fulfillment center.
NAME	VARCHAR(254) NULL	The name of the fulfillment center.
DISPLAY_NAME	VARCHAR(80) NULL	The display name of the fulfillment center.
CITY	VARCHAR(128) NULL	The city the fulfillment center is located in.
COUNTRY	VARCHAR(128) NULL	The country the fulfillment center is located in.
MEMBER_ID	BIGINT NULL	The owner of the fulfillment center.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
XPKFFMCENTER	Yes	LANGUAGE_ID
XPKFFMCENTER	Yes	FFMCENTER_ID
XIE1FFMCENTER	No	FFMCENTER_ID

### Primary key column name

LANGUAGE\_ID  
FFMCENTER\_ID

### Child table name

None.

### Parent table name

None.

---

## GENDER\_REF

Gender Reference table. This provides language-specific text related to gender descriptions, and links to Member table based on GENDER\_ID. Values for this table derive from a properties file on the Web store server.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language for the gender text values.
GENDER_ID	INTEGER NOT NULL	An ID for the gender information.
GENDER	VARCHAR(10) NULL	The text value for gender, such as F for Female. This value should be kept to one or two characters.
GENDER_DESC	VARCHAR(30) NULL	A description of the gender value.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
XPKGENDER_REF	Yes	LANGUAGE_ID
XPKGENDER_REF	Yes	GENDER_ID
XIE1GENDER_REF	No	GENDER_ID
XIE1GENDER_REF	No	LANGUAGE_ID
XIE1GENDER_REF	No	GENDER_DESC
XIE2GENDER_REF	No	GENDER
XIE2GENDER_REF	No	GENDER_DESC
XIE2GENDER_REF	No	LANGUAGE_ID
XIE2GENDER_REF	No	GENDER_ID

### Primary key column name

LANGUAGE\_ID  
GENDER\_ID

### Child table name

None.

### Parent table name

None.



---

## HOUR

This table defines the hours that can be referenced in the various fact tables. It facilitates analyzing the transactions down to hour of day.

### Column

Name	Datatype Null option	Comment
HOUR_ID	INTEGER NOT NULL	The hour ID.
HOUR24	INTEGER NULL	The hours in 24 hour clock. For example, 14 for 2 PM.
HOUR12	INTEGER NULL	The hour in 12 HR clock format.
AMPM_ID	INTEGER NULL	The a.m. or p.m. indicator.
HOUR_TYPE_ID	INTEGER NULL	The indicator for type of hour format.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
HR_ALT_AMPM	Yes	HOUR_ID

### Primary key column name

HOUR\_ID

### Child table name

FACT\_ORDERS  
FACT\_VISITS  
FACT\_ORDERITEMS  
FACT\_EVENT

### Parent table name

None.

---

## HOUR\_AMPM\_REF

This table gives the language-dependent information for the AM/PM indicators.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language-specific ID.
AMPM_ID	INTEGER NOT NULL	The identification for each AM or PM entry in this table.
AMPM	VARCHAR(10) NULL	The text abbreviation for AM or PM.
AMPM_DESC	VARCHAR(32) NULL	The language-specific description for the AM or PM description.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKHOUR_AMPM_REF	Yes	LANGUAGE_ID
XPKHOUR_AMPM_REF	Yes	AMPM_ID

## Primary key column name

LANGUAGE\_ID  
AMPM\_ID

## Child table name

None.

## Parent table name

None.

---

## HOUR\_TYPE\_REF

Hour Type Reference table.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID for this entry.
HOUR_TYPE_ID	INTEGER NOT NULL	A unique ID indicating hour type: <b>2</b> Peak <b>1</b> Non-peak <b>0</b> Not available
HOUR_TYPE	CHAR(128) NULL	A short text description for the hour type of peak , non-peak, or not available.

Name	Datatype Null option	Comment
HOUR_TYPE_DESC	VARCHAR(254) NULL	A longer language-specific description of the hour type of peak, non-peak, or not available.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKHOUR_TYPE_REF	Yes	LANGUAGE_ID
XPKHOUR_TYPE_REF	Yes	HOUR_TYPE_ID

## Primary key column name

LANGUAGE\_ID  
HOUR\_TYPE\_ID

## Child table name

None.

## Parent table name

None.

---

## INCOME\_REF

Income Reference Table, with language-specific text describing income. Values for this table derive from a properties file on the Web store server.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID for the income range textual information.
INCOME_ID	INTEGER NOT NULL	An ID to indicate a particular income range. Value -9999 is reserved for internal use.
INCOME_RANGE	CHAR(128) NULL	The short description of an income range.
INCOME_RANGE_DESC	VARCHAR(256) NULL	The long description of an income range.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKINCOME_REF	Yes	LANGUAGE_ID
XPKINCOME_REF	Yes	INCOME_ID
XIE1INCOME_REF	No	INCOME_ID

## Primary key column name

LANGUAGE\_ID  
INCOME\_ID

## Child table name

None.

## Parent table name

None.

---

## INITIATIVE

This table contains the data describing an initiative.

## Column

Name	Datatype Null option	Comment
INITIATIVE_ID	INTEGER NOT NULL	The initiative ID
STORE_ID	INTEGER NOT NULL	The store identifier.
NAME	VARCHAR(64) NULL	The name of the initiative.
STARTDATE	DATE NULL	The scheduled start date for the initiative.
ENDDATE	DATE NULL	The scheduled end date for the initiative.
USERSTATUS	INTEGER NULL	The user status. This field is no longer populated. WebSphere Commerce discontinued usage of this field, so WCA does not populate this.
RULEVALUE_ID	INTEGER NULL	The rule value ID associated with the initiative.
MATYPE_ID	INTEGER NULL	This field is deprecated.
MATYPENAME	VARCHAR(64) NULL	The name of the Marketing Asset Type.
RESULTTYPE_ID	INTEGER NULL	A unique ID for each result type listed in RESULTTYPE_REF table.

Name	Datatype Null option	Comment
SELLTYPE	INTEGER NULL	The initiative classification. 1 General 2 Up sell 3 Cross sell 4 Discount 5 Coupon
STATUS	CHAR(1) NULL	The initiative status. D=disabled.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_INITIATIVE	Yes	INITIATIVE_ID
INIT_ALT_MATYPE	No	MATYPE_ID
XIF146INITIATIVE	No	STORE_ID

## Primary key column name

INITIATIVE\_ID

## Child table name

APPLY\_INIT  
CAMP\_INIT\_MPE\_REL

## Parent table name

STORE

---

## INVNTY\_STAT\_REF

This table stores the language-dependent text for inventory status.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID for the income range textual information.
INVNTY_STAT_ID	INTEGER NOT NULL	An ID designating the allocation status of inventory for this OrderItem.

Name	Datatype Null option	Comment
INVNTRY_STAT_SDESC	CHAR(4) NULL	The short description of inventory status: <b>NALC</b> Inventory is neither allocated nor backordered. <b>BO</b> Inventory is backordered. <b>ALLC</b> Inventory is allocated. <b>FUL</b> Inventory has been released for fulfillment.
INVNTRY_STAT_LDESC	VARCHAR(64) NULL	A long description of the allocation status of inventory for this OrderItem: Neither allocated nor backordered. Backordered. Allocated. Released for fulfillment.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKINVNTRY_STAT_RE	Yes	LANGUAGE_ID
XPKINVNTRY_STAT_RE	Yes	INVNTRY_STAT_ID

## Primary key column name

LANGUAGE\_ID  
INVNTRY\_STAT\_ID

## Child table name

None.

## Parent table name

None.

---

## ITEMSPC

Information about specified items. A specified item is a product with values for all its attributes. A specified item could correspond to a 2L bottle of milk, with 2% fat content. A specified item is the customer view of what the merchant sells.

## Column

Name	Datatype Null option	Comment
ITEMSPC_ID	BIGINT NOT NULL	A generated unique key.

Name	Datatype Null option	Comment
MEMBER_ID	BIGINT NOT NULL	The owner of this specified item.
DISCONTINUED	CHAR(1) NOT NULL	<b>Y</b> This item specification has been discontinued. It can be ordered if there is sufficient inventory but it cannot be backordered. <b>N</b> This item specification is active and can be backordered if out of stock.
LASTUPDATE	TIMESTAMP NULL	The time stamp of last update.
BASEITEM_ID	BIGINT NOT NULL	The product BaseItem.
PARTNUMBER	VARCHAR(64) NOT NULL	The part number that uniquely identifies an item for a particular owner.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_ITEMSPC	Yes	ITEMSPC_ID
I0000138	Yes	PARTNUMBER
I0000138	Yes	MEMBER_ID
I0000139	No	BASEITEM_ID
I0000139	No	ITEMSPC_ID
XIE2itemspc	No	DISCONTINUED
XIF220ITEMSPC	No	BASEITEM_ID

### Primary key column name

ITEMSPC\_ID

### Child table name

None.

### Parent table name

BASEITEM

---

## LANGUAGE\_REF

This table is used for translation purposes.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The mapping of the local mappings (language plus locale) that are supported and listed in the WCA REFERENCE table, and can potentially vary from WebSphere Commerce.
COUNTRY	CHAR(2) NOT NULL	A 2-character code used to ID a country. US, GB, ES, and so on, which is used in combination with LANGUAGE to define a locale like en_US or ja_JP.
LANGUAGE	CHAR(2) NOT NULL	A 2-character identifier for language code. For example en, es, de. This identifier is used in conjunction with COUNTRY to define a locale like en_US or ja_JP.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
PK_LANGUAGE	Yes	LANGUAGE_ID

## Primary key column name

LANGUAGE\_ID

## Child table name

None.

## Parent table name

None.

---

## LAST\_UPDATED\_REF

The Last Updated Reference Table details the software process, internal or external, that made a change to any WCA table content. For example, the IBM ETL process has an ID of zero and is the process that populates this datamart.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	An ID to indicate the language that textual data is in.



Name	Datatype Null option	Comment
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record. <b>0 through 20</b> Reserved for IBM. Customers can customize this table by adding an ID. <b>&gt; 20</b> Used to identify their own processing. An ID of zero is the IBM ETL processing for this datamart.
LAST_UPDATED_DESC	VARCHAR(20) NOT NULL	Language-specific text describing the process or software that modifies data in the tables.

## Index

Name	Unique	Member column name
XPKLAST_UPDATED_RE	Yes	LANGUAGE_ID
XPKLAST_UPDATED_RE	Yes	LAST_UPDATED_ID

## Primary key column name

LANGUAGE\_ID  
LAST\_UPDATED\_ID

## Child table name

None.

## Parent table name

None.

---

## MARITAL\_STAT\_REF

The marital status reference table.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version indicator.
MARITAL_STATUS_ID	INTEGER NOT NULL	The marital status ID.
MARITAL_STATUS	VARCHAR(5) NULL	The marital status, which is configurable on the WebSphere Commerce side.
MARITAL_STAT_DESC	VARCHAR(32) NULL	A description of the marital status field.

Name	Datatype Null option	Comment
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKMARITAL_STAT_RE	Yes	LANGUAGE_ID
XPKMARITAL_STAT_RE	Yes	MARITAL_STATUS_ID
XIE1MARITAL_STAT_R	No	MARITAL_STATUS_ID
XIE1MARITAL_STAT_R	No	LANGUAGE_ID
XIE1MARITAL_STAT_R	No	MARITAL_STAT_DESC
XIE2MARITAL_STAT_R	No	MARITAL_STAT_DESC
XIE2MARITAL_STAT_R	No	MARITAL_STATUS
XIE2MARITAL_STAT_R	No	MARITAL_STATUS_ID
XIE2MARITAL_STAT_R	No	LANGUAGE_ID

## Primary key column name

LANGUAGE\_ID  
MARITAL\_STATUS\_ID

## Child table name

None.

## Parent table name

None.

## MEMBER

This table details the attributes which describe the membership base. Name and address information is reported for addresses that are residential, primary, self addresses optionally supplied by the customer as their permanent record.

## Column

Name	Datatype Null option	Comment
MEMBER_ID	BIGINT NOT NULL	The member ID.
MEMBER_TYPE_ID	INTEGER NOT NULL	The member type ID. Types are: Guest, Registered, Admin, System Admin, and so on. See MEMBER_TYPE_REF table.

Name	Datatype Null option	Comment
DR_MEMBER_TYPE_ID	INTEGER NULL	The derived member type. WebSphere Commerce Member types are analyzed and retagged as a particular shopper, based on their actions over time. <b>0</b> Not Applicable. Used for Admin IDs. <b>1</b> BROWSER Someone who comes to the site, but never puts items in a shopping cart (no pending order) or interest list. <b>2</b> PROSPECT- Someone who comes to the site and places items in a shopping cart. <b>3</b> PURCHASER- Someone who comes to the site and completes at least one order. <b>4</b> PREV PROSPECT Previous prospect type. Not implemented in this release.
WISHER	INTEGER NULL	Valid values are: <b>0</b> Denotes the member never put an item in his or her wish list. <b>1</b> Denotes the member has put an item in his or her wish list.
CITY	VARCHAR(128) NULL	The member city location.
STATE_PROV	VARCHAR(128) NULL	The state or providence for the address of the member.
POSTAL_CODE	VARCHAR(40) NULL	The postal code associated with this state or providence.
COUNTRY	VARCHAR(128) NULL	The country for this member.
GENDER_ID	INTEGER NULL	An ID for language-specific text for gender as described in the GENDER_REF table.
AGE_RANGE_ID	INTEGER NULL	The users age. 0 - Not provided (default). Valid values are configurable.
INCOME_ID	INTEGER NULL	The income ID used to put member in income brackets defined in the INCOME_REF table.
INCOMECURRENCY	CHAR(3) NULL	The currency for the income of the user.

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
MARITAL_STATUS_ID	INTEGER NULL	The user's marital status. Valid values are configurable.
CHILDREN	INTEGER NULL	The number of children. If not provided, the default is 0.
HOUSEHOLD	INTEGER NULL	The number of people in the users household. If not provided, the default is 1.
REPEAT_CUSTOMER	INTEGER NULL	A flat for this field that indicates whether or not a member is a repeat customer or not. This field is populated during the post processing ETL.
TIMEZONE	VARCHAR(5) NULL	The time zone that the user uses.
ORDERBEFORE	CHAR(1) NULL	A shopper can self-designate himself as having ordered before. The reliability of this data is uncertain.
REGISTRATION	DATE NULL	The date and time that the user was registered.
REGISTRATION_UPDT	DATE NULL	The date when the registration information was updated last.
REGISTRATION_CAN	DATE NULL	The date and time that the user registration was canceled. This field currently is not set and used by WebSphere Commerce Suite.
FIRST_ORDER	DATE NULL	The first time we see an order date this value is set. From then on, this value is not changed unless we see a LAST_ORDER date that is earlier than the one that is in this field.
LAST_ORDER	DATE NULL	The date and time that the user last placed an order at this site.
LAST_SESSION	DATE NULL	The date and time that the user last visited the WebSphere Commerce Suite site. Last visited means last logon to the WebSphere Commerce Suite site.
PREFER_LANGUAGE_ID	INTEGER NULL	The preferred language of the member as defined in the Language Reference table.
PREFER_CURR	CHAR(3) NULL	The member preferred currency.
LAST_NAME	VARCHAR(128) NULL	The last name of the member.
FIRST_NAME	VARCHAR(128) NULL	The first name of the member.
MIDDLE_NAME	VARCHAR(128) NULL	The middle name of the member.

Name	Datatype Null option	Comment
HOBBIES	VARCHAR(254) NULL	The user's main interests and hobbies.
MPF_TYPE_ID	INTEGER NULL	An indication of whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>0</b> C (base profile data) <b>1</b> B (business profile data)
TAXPAYER_ID	VARCHAR(254) NULL	A string used to identify the user for taxation purpose. Addition of this column triggered by Taxware integration, but presumably this column is useful even outside of Taxware.
DISPLAY_NAME	VARCHAR(128) NULL	The display name of the entry. This name is a name that is used in displaying an entry in a one line summary list.
COMPANY_NAME	VARCHAR(128) NULL	The company for which the user works.
APV_STATUS_ID	INTEGER NULL	The registration approval status as follows: <b>0</b> Pending approval <b>1</b> Approved <b>2</b> Rejected <b>Null</b> The approval is not applicable
ORG_USER	INTEGER NULL	An IBM-reserved field..
ADDRESS_ID	BIGINT NULL	An IBM reserved field.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_MEMBER	Yes	MEMBER_ID
MBR_ALT_GENDER	No	GENDER_ID
XIE10MEMBER	No	AGE_RANGE_ID
XIE10MEMBER	No	GENDER_ID
XIE10MEMBER	No	STATE_PROV
XIE10MEMBER	No	COUNTRY
XIE10MEMBER	No	MARITAL_STATUS_ID
XIE10MEMBER	No	MEMBER_ID
XIE10MEMBER	No	INCOME_ID

<b>Name</b>	<b>Unique</b>	<b>Member column name</b>
XIE11MEMBER	No	MARITAL_STATUS_ID
XIE11MEMBER	No	AGE_RANGE_ID
XIE11MEMBER	No	CITY
XIE11MEMBER	No	STATE_PROV
XIE11MEMBER	No	COUNTRY
XIE11MEMBER	No	MEMBER_ID
XIE11MEMBER	No	INCOME_ID
XIE11MEMBER	No	GENDER_ID
XIE12MEMBER	No	MEMBER_ID
XIE12MEMBER	No	REPEAT_CUSTOMER
XIE12MEMBER	No	MARITAL_STATUS_ID
XIE12MEMBER	No	DR_MEMBER_TYPE_ID
XIE12MEMBER	No	INCOME_ID
XIE12MEMBER	No	AGE_RANGE_ID
XIE12MEMBER	No	GENDER_ID
XIE13MEMBER	No	MEMBER_ID
XIE13MEMBER	No	GENDER_ID
XIE13MEMBER	No	AGE_RANGE_ID
XIE13MEMBER	No	INCOME_ID
XIE13MEMBER	No	DR_MEMBER_TYPE_ID
XIE13MEMBER	No	MARITAL_STATUS_ID
XIE13MEMBER	No	REPEAT_CUSTOMER
XIE14MEMBER	No	LAST_UPDATED
MBR_ALT_AGE	No	AGE_RANGE_ID
MBR_ALT_INCOME	No	INCOME_ID
MBR_ALT_MARRY	No	MARITAL_STATUS_ID
XAK1MEMBER_CITY	No	CITY
XAK2MEMBER_STATE	No	STATE_PROV
XAK3MEMBER_COUNTRY	No	COUNTRY
XIE8MEMBER	No	AGE_RANGE_ID
XIE8MEMBER	No	INCOME_ID
XIE8MEMBER	No	STATE_PROV
XIE8MEMBER	No	COUNTRY
XIE8MEMBER	No	MEMBER_ID
XIE8MEMBER	No	MARITAL_STATUS_ID
XIE8MEMBER	No	DR_MEMBER_TYPE_ID
XIE8MEMBER	No	GENDER_ID
XIE9MEMBER	No	AGE_RANGE_ID
XIE9MEMBER	No	INCOME_ID
XIE9MEMBER	No	MEMBER_TYPE_ID
XIE9MEMBER	No	GENDER_ID

Name	Unique	Member column name
XIE9MEMBER	No	MARITAL_STATUS_ID
XIE9MEMBER	No	COUNTRY
XIE9MEMBER	No	STATE_PROV
XIE9MEMBER	No	MEMBER_ID

## Primary key column name

MEMBER\_ID

## Child table name

RFM\_MEMBER  
FACT\_ORDERS  
FACT\_INTEREST  
FACT\_INTEREST\_LIST  
APPLY\_MEMBER  
FACT\_VISITS  
FACT\_EVENT  
FACT\_ORDERITEMS

## Parent table name

None.

---

## MEMBER\_TYPE\_REF

This table contains the member type reference information.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	Language version indicator
MEMBER_TYPE_ID	INTEGER NOT NULL	An ID to associate the member type and member description with a member in the member table. <b>0</b> Null or Other (an unknown type) <b>1</b> Not Registered (G) <b>2</b> Registered (R) <b>3</b> Organization Member (O) <b>4</b> System Admin
MEMBER_TYPE	CHAR(3) NULL	Type of the member: G, R, A or S for Guest, Registered User, Administrator, or System Administrator.

Name	Datatype Null option	Comment
MEMBER_DESC	VARCHAR(32) NULL	A language-specific description of the member type field. For example, in English: <b>G</b> Member Type of G is Guest <b>R</b> Member Type of R is Registered User <b>A</b> Member Type of A is Administrator <b>S</b> Member Type of S is System Administrator
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKMEMBER_TYPE_REF	Yes	LANGUAGE_ID
XPKMEMBER_TYPE_REF	Yes	MEMBER_TYPE_ID
XIE1MEMBER_TYPE_RE	No	MEMBER_TYPE_ID
XIE2MEMBER_TYPE_RE	No	MEMBER_TYPE_ID
XIE2MEMBER_TYPE_RE	No	MEMBER_TYPE

## Primary key column name

LANGUAGE\_ID  
MEMBER\_TYPE\_ID

## Child table name

None.

## Parent table name

None.

---

## META\_FEAT\_REL

This table identifies the features that are used by the Product Exploration and Product Comparison metaphors.

## Column

Name	Datatype Null option	Comment
FEATURE_ID	INTEGER NOT NULL	The internal reference number of the feature.
METAPHOR_ID	BIGINT NOT NULL	The internal reference number of the metaphor.



Name	Datatype Null option	Comment
PROPERTY_NAME	VARCHAR(64) NOT NULL	Property of a feature that can be set. (eg. Sort order, Widget Type for Product Exploration and Product Link for Product Comparison)
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKMETA_FEAT_REL	Yes	FEATURE_ID
XPKMETA_FEAT_REL	Yes	METAPHOR_ID
XPKMETA_FEAT_REL	Yes	PROPERTY_NAME
XIF108META_FEAT_RE	No	METAPHOR_ID

## Primary key column name

FEATURE\_ID  
METAPHOR\_ID  
PROPERTY\_NAME

## Child table name

None.

## Parent table name

METAPHOR

---

## METAPHOR

This table lists all the metaphors that exist in the system.

## Column

Name	Datatype Null option	Comment
METAPHOR_ID	BIGINT NOT NULL	Metaphor <sup>®</sup> unique ID.
CATEGORY_ID	BIGINT NULL	The category this metaphor was created for.
METAPHOR_NAME	VARCHAR(128) NULL	Java <sup>™</sup> class name of the metaphor. For example, com.ibm.commerce.pa.metaphor.ProductExplorerMetaphor.
META_TYPE_ID	INTEGER NULL	A unique reference number of the metaphor type.

Name	Datatype Null option	Comment
STORE_ID	INTEGER NULL	The store the metaphor belongs to.
TEMPLATE_NAME	VARCHAR(254) NULL	JSP filename for this metaphor.
TREE_ID	INTEGER NULL	The internal reference number of the Q&A tree if this is a Guided Sell Metaphor.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_METAPHOR	Yes	METAPHOR_ID
XAK1META_STORE	No	STORE_ID
XAK2META_TYPE	No	META_TYPE_ID

## Primary key column name

METAPHOR\_ID

## Child table name

META\_FEAT\_REL  
CONSTRAINTS

## Parent table name

None.

---

## METAPHOR\_TYPE\_REF

This table stores the language-dependent text for the PA metaphors.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The unique identifier of the language that is a foreign key to the LANGUAGE table.
META_TYPE_ID	INTEGER NOT NULL	The internal reference number of the metaphor type.
TITLE	VARCHAR(100) NULL	Title or description for this metaphor type.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.

Name	Datatype Null option	Comment
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKMETAPHOR_TYPE_R	Yes	LANGUAGE_ID
XPKMETAPHOR_TYPE_R	Yes	META_TYPE_ID
XIE1METAPHOR_TYPE_	No	META_TYPE_ID

## Primary key column name

LANGUAGE\_ID  
META\_TYPE\_ID

## Child table name

None.

## Parent table name

None.

---

## MON\_OF\_FY\_REF

Month of Fiscal Year Reference Text is available for several languages.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version indicator.
MON_OF_FY_ID	INTEGER NOT NULL	The month of the fiscal year ID.
MON_OF_FY_SDESC	CHAR(8) NULL	The short description of the month of the fiscal year. For non-DBCS languages this should be three or four characters maximum.
MON_OF_FY_LDESC	VARCHAR(32) NULL	The long description of the Month of the Fiscal Year.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKMON_OF_FY_REF	Yes	LANGUAGE_ID
XPKMON_OF_FY_REF	Yes	MON_OF_FY_ID

## Primary key column name

LANGUAGE\_ID  
MON\_OF\_FY\_ID

## Child table name

None.

## Parent table name

None.

---

## MPE

This table contains the marketing page element or the e-marketing spot definition. Reporting tools should reference the view of this table: EMSPOT.

## Column

Name	Datatype Null option	Comment
MPE_ID	INTEGER NOT NULL	A unique MPE ID.
STORE_ID	INTEGER NULL	Store identifier.
NAME	VARCHAR(64) NULL	The name of a marketing page element (e-marketing spot).
DESC	VARCHAR(254) NULL	The description of a marketing page element (e-marketing spot).
MPETYPE_ID	INTEGER NULL	A deprecated field.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_MPE	Yes	MPE_ID
XAK1MPE_TYPE	No	MPETYPE_ID
XIF147MPE	No	STORE_ID

## Primary key column name

MPE\_ID

## Child table name

EMSPOT  
CAMP\_INIT\_MPE\_REL

## Parent table name

STORE

---

## MPE\_TYPE\_REF

This table has changed since WCA 1.1. The concept of MPES has shifted to EMSPOTs. MPETYPES no longer exist. However, Initiatives now have a similar field called RESULTTYPE\_ID. Reporting tools should refer to view: RESULTTYPE\_REF.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version indicator.
MPETYPE_ID	INTEGER NOT NULL	The type identifier that identifies whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>0</b> C (base profile data) <b>1</b> B (business profile data)
MPETYPE_NAME	VARCHAR(64) NULL	The type name that identifies whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>0</b> C (base profile data) <b>1</b> B (business profile data)
MPETYPE_DESC	VARCHAR(254) NULL	The type description that identifies whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>0</b> C (base profile data) <b>1</b> B (business profile data)
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKMPE_TYPE_REF	Yes	LANGUAGE_ID

Name	Unique	Member column name
XPKMPE_TYPE_REF	Yes	MPETYPE_ID

### Primary key column name

LANGUAGE\_ID  
MPETYPE\_ID

### Child table name

RESULTTYPE\_REF

### Parent table name

None.

---

## MPF\_TYPE\_REF

Member Profile Type language-dependent text descriptions are in this table.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language for the gender text values.
MPF_TYPE_ID	INTEGER NOT NULL	The profile information that identifies whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>0</b> C (base profile data) <b>1</b> B (business profile data)
MPF_TYPE_SDESC	VARCHAR(5) NULL	The short description that identifies whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>C</b> Base profile data <b>B</b> Business profile data
MPF_TYPE_LDESC	VARCHAR(32) NULL	The long description that identifies whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>0</b> C (base profile data) <b>1</b> B (business profile data)
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKMPF_TYPE_REF	Yes	LANGUAGE_ID
XPKMPF_TYPE_REF	Yes	MPF_TYPE_ID

## Primary key column name

LANGUAGE\_ID  
MPF\_TYPE\_ID

## Child table name

L\_MPF\_TYPE\_REF.

## Parent table name

None.

---

## OFFER

Each row of this table represents an Offer to sell a product.

## Column

Name	Datatype Null option	Comment
OFFER_ID	BIGINT NOT NULL	A unique ID for the offer.
PRODUCT_ID	BIGINT NULL	The product unique ID.
PER_ID	INTEGER NULL	The period ID indicating the either the STARTDATE of the offer. If STARTDATE is null, this is the period ID associated with LAST_UPDATED, indicating the time the offer was created or last changed.
STARTDATE	TIMESTAMP NULL	The start of the time range during which this Offer is effective.
ENDDATE	TIMESTAMP NULL	The end of the time range during which this Offer is effective.
MAXIMUMQUANTITY	DOUBLE NULL	The maximum quantity that can be purchased in a single Order under this Offer.
MINIMUMQUANTITY	DOUBLE NULL	The minimum quantity that can be purchased in a single Order under this Offer.
PRECEDENCE	DOUBLE NULL	When more than one Offer is effective at a particular time, the one with the highest PRECEDENCE is used.

Name	Datatype Null option	Comment
PUBLISHED	INTEGER NULL	A flag indicating if the offer is published. Valid values are: <b>0</b> Not published (temporarily disabled) <b>1</b> Published <b>2</b> Marked for deletion (and not published)
QTYUNIT_ID	VARCHAR(16) NULL	The unit of measure for MINIMUMQUANTITY and MAXIMUMQUANTITY. If this is NULL, then MINIMUMQUANTITY and MAXIMUMQUANTITY are multiplied by CATENTSHIP.NOMINALQUANTITY and the unit of measure of the results is CATENTSHIP.QUANTITYMEASURE.
EST_MQ_VALUE	DECIMAL(20,5) NULL	The estimated minimum quantity Value in terms of the reporting currency.
REPORT_CURRENCY	CHAR(3) NULL	The reporting currency used for consolidated reporting.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_OFFER	Yes	OFFER_ID
XIE1OFFER	No	LAST_UPDATED

## Primary key column name

OFFER\_ID

## Child table name

FACT\_ORDERITEMS

## Parent table name

None.

## OFFER\_DESC

Each row in this table contains language-dependent information for an Offer.



## Column

Name	Datatype Null option	Comment
OFFER_ID	BIGINT NOT NULL	A unique ID for the offer.
LANGUAGE_ID	INTEGER NULL	The language of the description.
DESCRIPTION	VARCHAR(254) NULL	A description of the offer, suitable for display to customers.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKOFFER_DESC	Yes	OFFER_ID

## Primary key column name

OFFER\_ID

## Child table name

None.

## Parent table name

None.

---

## OFFER\_PRICE

The offer price per currency.

## Column

Name	Datatype Null option	Comment
OFFER_ID	BIGINT NOT NULL	A unique ID for the offer.
OFFER_CURRENCY	CHAR(3) NOT NULL	The currency associated with the OFFER_PRICE.
OFFER_PRICE	DECIMAL(20,5) NULL	The price for nominal amount of the offer product.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKOFFER_PRICE	Yes	OFFER_ID
XPKOFFER_PRICE	Yes	OFFER_CURRENCY

### Primary key column name

OFFER\_ID  
OFFER\_CURRENCY

### Child table name

L\_ORIGIN\_REF

### Parent table name

None.

---

## ORDER\_STATUS\_REF

This table defines the language-dependent information about the various types of order status. Reporting tools should reference the view of this table:  
L\_ORDER\_STATUS\_REF.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version indicator.

Name	Datatype Null option	Comment
ORDER_STATUS_ID	INTEGER NOT NULL	<p>The order status ID. Valid values are:</p> <ul style="list-style-type: none"> <li data-bbox="1081 310 1458 449"><b>1</b> Pending Order. The customer can still modify the order. If left too long, the order might be considered abandoned.</li> <li data-bbox="1081 457 1458 512"><b>2</b> Canceled. The customer has canceled their order.</li> <li data-bbox="1081 520 1458 596"><b>3</b> Submitted. The customer has not initiated payment yet.</li> <li data-bbox="1081 604 1458 714"><b>4</b> The Customer initiated payment and the inventory was successfully updated.</li> <li data-bbox="1081 722 1458 856"><b>5</b> The customer initiated payment and the inventory failed. This order is pending because of inventory issues.</li> <li data-bbox="1081 865 1458 940"><b>6</b> The customer has initiated payment and the payment was authorized.</li> <li data-bbox="1081 949 1458 1003"><b>7</b> The order has been shipped.</li> <li data-bbox="1081 1012 1458 1066"><b>8</b> Indicates an order template.</li> </ul> <p><b>Note:</b> Status of 1, 3, 4, and 5 all imply pending.</p>

Name	Datatype Null option	Comment
ORDER_STATUS	CHAR(1) NOT NULL	<p>The order status. Valid values are:</p> <p><b>P</b> Pending Order. The customer can still modify the order. If left too long, the order might be considered abandoned.</p> <p><b>X</b> Canceled. The customer has canceled their order.</p> <p><b>I</b> Submitted. The customer has not initiated payment yet.</p> <p><b>M</b> The customer initiated payment and the inventory was successfully updated.</p> <p><b>L</b> The customer initiated payment and the inventory failed. This order is pending because of inventory issues.</p> <p><b>C</b> The customer has initiated payment and the payment was authorized.</p> <p><b>S</b> The order has been shipped.</p> <p><b>Q</b> Indicates an order template.</p> <p><b>Note:</b> Status of 1, 3, 4, and 5 all imply pending.</p>
ORDER_STATUS_DESC	VARCHAR(128) NULL	<p><b>1 = P</b> Pending Order. The customer can still modify the order. If left too long, the order might be considered abandoned.</p> <p><b>2 = X</b> Canceled. The customer has canceled their order.</p> <p><b>3 = I</b> Submitted. The customer has not initiated payment yet.</p> <p><b>4 = M</b> The customer initiated payment and the inventory was successfully updated.</p> <p><b>5 = L</b> The customer initiated payment and the inventory failed. This order is pending because of inventory issues.</p> <p><b>6 = C</b> The customer has initiated payment and the payment was authorized.</p> <p><b>7 = S</b> The order has been shipped.</p> <p><b>8 = Q</b> Indicates an order template.</p> <p><b>Note:</b> Status of 1, 3, 4, and 5 all imply pending.</p>

Name	Datatype Null option	Comment
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKORDER_STATUS_RE	Yes	LANGUAGE_ID
XPKORDER_STATUS_RE	Yes	ORDER_STATUS_ID
XIE1ORDER_STATUS_R	No	ORDER_STATUS_ID

## Primary key column name

LANGUAGE\_ID  
ORDER\_STATUS\_ID

## Child table name

L\_ORDER\_STATUS\_REF

## Parent table name

None.

---

## ORDER\_RELEASE\_STATUS\_REF

### Column

Name	Datatype Null option	Comment
ORDER_RELEASE_STATUS_ID	INTEGER NOT NULL	The ID of the order release status.
LANGUAGE_ID	INTEGER NOT NULL	The language version indicator.
ORDER_RELEASE_CODE	VARCHAR(20) NULL	The allocation status of inventory for this OrderItem. Valid values are: <b>NALC</b> The inventory is neither allocated nor backordered. <b>BO</b> The inventory is backordered. <b>ALLC</b> The inventory is allocated. <b>FUL</b> The inventory has been released for fulfillment.

Name	Datatype Null option	Comment
ORDER_RELEASE_DESC	VARCHAR(20) NULL	The description of the order release status. Valid values are: <b>NALC</b> The inventory is neither allocated nor backordered. <b>BO</b> The inventory is backordered. <b>ALLC</b> The inventory is allocated. <b>FUL</b> The inventory has been released for fulfillment.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKORDER_RELEASE_S	Yes	ORDER_RELEASE_STATUS_ID
XPKORDER_RELEASE_S	Yes	LANGUAGE_ID

## Primary key column name

ORDER\_RELEASE\_STATUS\_ID  
LANGUAGE\_ID

## Child table name

None.

## Parent table name

None.

## ORGANIZATION

This table details information about an organization.

## Column

Name	Datatype Null option	Comment
ORG_ID	BIGINT NOT NULL	The organization ID.
ORG_TYPE	CHAR(3) NOT NULL	The type of OrgEntity. Valid values are: <b>O</b> Organization <b>OU</b> Organizational unit
ORG_NAME	VARCHAR(128) NOT NULL	The short name for the organization (O) or organizational unit (OU).

<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
BUSINESS_CATEGORY	VARCHAR(128) NULL	The business category. Describes the kind of business performed by the organization.
TAXPAYER_ID	VARCHAR(254) NULL	A string used to identify the OrgEntity for taxation purpose. Addition of this column triggered by Taxware integration, but presumably this column is useful even outside of Taxware.
LEGAL_NAME	VARCHAR(128) NULL	The registered organization identifier, given to the organization (such as assigned by the government). This can be null for an organizational unit. This name is not the name of the organization.
DESCRIPTION	VARCHAR(512) NULL	A description of the organizational entity.
ADM_FIRST_NAME	VARCHAR(128) NULL	The first name of administrator of this OrgEntity
ADM_LAST_NAME	VARCHAR(128) NULL	The last name of administrator of this OrgEntity
ADM_MIDDLE_NAME	VARCHAR(128) NULL	The middle name of administrator of this OrgEntity
BUSINESS_TYPE	VARCHAR(64) NULL	The business type of the organization.
INDUSTRY_TYPE	VARCHAR(64) NULL	The industry type of the organization.
PREFERRED_DELIVERY	VARCHAR(1000) NULL	The preferred delivery method.
DN	VARCHAR(128) NULL	The distinguished name. If Lightweight Directory Access Protocol (LDAP) is used, contains the DN of the OrgEntity in the LDAP server. If database is used as member repository, contains a unique name as defined by the membership hierarchy. DNs for all OrgEntities are unique.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

<b>Name</b>	<b>Unique</b>	<b>Member column name</b>
XPKORGANIZATION	Yes	ORG_ID
XIE1ORGANIZATION	No	LAST_UPDATED

## Primary key column name

ORG\_ID

## Child table name

FACT\_ORDERS

## Parent table name

None.

---

## ORGANIZATION\_HIERARCHY

### Column

Name	Datatype Null option	Comment
MEMBER_ID	BIGINT NOT NULL	
ORG_ID	BIGINT NULL	The organization ID.
ORG_NAME	VARCHAR(128) NULL	Short name for organization.
ORG_BUSINESS_TYPE	VARCHAR(64) NULL	This organization's business type.
ORG_INDUSTRY_TYPE	VARCHAR(64) NULL	This organization's industry type.
ORG_UNIT_ID	BIGINT NOT NULL	The organization unit ID.
ORG_BUSINESS_CATEGORY	VARCHAR(128) NULL	Business category. Describes the kind of business performed by the organization.
ORG_UNIT_NAME	VARCHAR(128) NOT NULL	Short name for organizational unit
UNIT_BUSINESS_CATEGORY	VARCHAR(128) NULL	Business category. Describes the kind of business performed by the organization unit.
UNIT_BUSINESS_TYPE	VARCHAR(64) NULL	The business type performed by organization unit.
UNIT_INDUSTRY_TYPE	VARCHAR(64) NULL	This unit's industry type.
DEPARTMENT	VARCHAR(128) NULL	
EMPLOYEE_ID	VARCHAR(20) NULL	
EMPLOYEE_TYPE	VARCHAR(128) NULL	
MANAGER	VARCHAR(256) NULL	
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.



Name	Datatype Null option	Comment
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKORGANIZATION_HI	Yes	MEMBER_ID

## Primary key column name

MEMBER\_ID

## Child table name

None.

## Parent table name

None.

---

## ORIGIN\_REF

The origin of the contract.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID .
ORIGIN_ID	INTEGER NOT NULL	An indication of how the contract was created: <b>0</b> Manual <b>1</b> Imported <b>2</b> RFQ <b>3</b> Exchange <b>4</b> Auction <b>5</b> Reverse auction <b>6</b> 2-party negotiation
ORIGIN_SDESC	VARCHAR(6) NULL	How the contract was created: <b>M</b> Manual <b>I</b> Imported <b>R</b> RFQ <b>X</b> Exchange <b>A</b> Auction <b>R</b> Reverse auction <b>N</b> 2-party negotiation

Name	Datatype Null option	Comment
ORIGIN_LDESC	VARCHAR(64) NULL	How the contract was created: Manual Imported RFQ Exchange Auction. Reverse auction 2-party negotiation
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKORIGIN_REF	Yes	LANGUAGE_ID
XPKORIGIN_REF	Yes	ORIGIN_ID

## Primary key column name

LANGUAGE\_ID  
ORIGIN\_ID

## Child table name

None.

## Parent table name

None.

## PARAMETERS

This table contains configurable input parameters for the product. Reporting tools should use this table to determine reporting language, reporting currency, status' for abandoned orders, number of minutes for abandonment calculations.

## Column

Name	Datatype Null option	Comment
ROW_NUM	INTEGER NOT NULL	A unique integer value to distinguish between multiple entries for a given parameter type. ROW_NUM start with value 1.
PARAM_TYPE	VARCHAR(32) NOT NULL	The specific parameter type. For example, REPORT_LANGUAGE, REPORT_CURRENCY, ABANDONED_ORDER_STATUS, ABANDONED_MINUTES.

Name	Datatype Null option	Comment
PARAM_VALUE	VARCHAR(32) NULL	The value for the given parameter type. More than one row can exist for a PARAM_TYPE thereby providing for multiple PARAM_VALUE values.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKPARAMETERS	Yes	ROW_NUM
XPKPARAMETERS	Yes	PARAM_TYPE
XIE1PARAMETERS	No	PARAM_TYPE
XIE1PARAMETERS	No	PARAM_VALUE
XIE2PARAMETERS	No	PARAM_VALUE
XIE2PARAMETERS	No	PARAM_TYPE

## Primary key column name

ROW\_NUM  
PARAM\_TYPE

## Child table name

None.

## Parent table name

None.

---

## PARTICIPNT

This table details the participants in an Account, Contract, or RFQ entity. An account, contract, and request for quote can have multiple participants.

## Column

Name	Datatype Null option	Comment
PARTICIPNT_ID	BIGINT NOT NULL	A unique ID for the participant of the account or contract and so on.

Name	Datatype Null option	Comment
PARTROLE_ID	INTEGER NULL	The participant role ID. See the PARTROLE_REF table. 0 Creator 1 Seller 2 Buyer 3 Supplier 4 Approver 5 accountHolder 6 buyerContact 7 sellerContact 8 Attorney 9 Administrator
PART_MEMBER_ID	BIGINT NULL	The participant member ID.
PART_MBRTYPE_ID	INTEGER NULL	A flag for participant member type — either Organization or User: 0 User 1 Organization
TRADING_ID	BIGINT NULL	To get a list of account participants, join ACCOUNT.ACCOUNT_ID = PARTICIPNT.TRADING_ID. To get a list of contract participants, join CONTRACT.CONTRACT_ID = PARTICIPNT.TRADING_ID.
TERMCOND_ID	BIGINT NULL	The terms & Conditions ID. If null, this is a Trading agreement level participant. Either TRADING_ID or TERMCOND_ID has to be null.
LAST_UPDATED	TIMESTAMP NOT NULL	The date on which the record was last updated.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that performed the last update.

## Index

Name	Unique	Member column name
UI_PARTICIPNT	Yes	PARTICIPNT_ID
XIE1PARTICIPNT	No	LAST_UPDATED

## Primary key column name

PARTICIPNT\_ID

## Child table name

None.

## Parent table name

None.

---

## PARTROLE\_REF

Description of the participant roles. Reporting tools should reference the view of this table: L\_PARTROLE\_REF.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
PARTROLE_ID	INTEGER NOT NULL	The participant role ID. Valid values are: 0 Creator 1 Seller 2 Buyer 3 Supplier 4 Approver 5 accountHolder 6 buyerContact 7 sellerContact 8 Attorney 9 Administrator
PARTROLE_SDESC	VARCHAR(50) NULL	The participant role short description: Creator Seller Buyer Supplier Approver Account holder Buyer contact Seller contact Attorney Administrator
PARTROLE_LDESC	VARCHAR(64) NULL	The participant role long description: 0 Creator 1 Seller 2 Buyer 3 Supplier 4 Approver 5 accountHolder 6 buyerContact 7 sellerContact 8 Attorney 9 Administrator
LAST_UPDATED	TIMESTAMP NOT NULL	The date on which the record was last updated.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that performed the last update.

## Index

Name	Unique	Member column name
XPKPARTROLE_REF	Yes	LANGUAGE_ID
XPKPARTROLE_REF	Yes	PARTROLE_ID

## Primary key column name

LANGUAGE\_ID  
PARTROLE\_ID

## Child table name

L\_PARTROLE\_REF

## Parent table name

None.

---

## PER\_AGGR\_REF

Period Aggregation Reference table.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version indicator.
PER_AGGR_ID	INTEGER NOT NULL	An identification for the level of time aggregation.
PER_AGGR_TYPE	VARCHAR(20) NULL	The level of aggregation. Values are: DAY WEEK MONTH QUARTER YEAR
PER_AGGR_DESC	VARCHAR(20) NULL	A description of each aggregation.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKPER_AGGR_REF	Yes	LANGUAGE_ID
XPKPER_AGGR_REF	Yes	PER_AGGR_ID
XIE1PER_AGGR_REF	No	PER_AGGR_ID

## Primary key column name

LANGUAGE\_ID  
PER\_AGGR\_ID

## Child table name

None.

## Parent table name

None.

---

## PER\_DESC\_REF

The period description reference table.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version indicator.
PER_DESC_ID	INTEGER NOT NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.
DAY_DESC	VARCHAR(30) NULL	The day description.
WK_DESC	VARCHAR(30) NULL	The week description.
MON_DESC	VARCHAR(30) NULL	The month description.
QTR_DESC	VARCHAR(30) NULL	The quarter description.
YR_DESC	VARCHAR(30) NULL	The year description.
PER_DESC	VARCHAR(30) NULL	The period description.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKPER_DESC_REF	Yes	LANGUAGE_ID
XPKPER_DESC_REF	Yes	PER_DESC_ID
XIE1PER_DESC_REF	No	PER_DESC_ID

Name	Unique	Member column name
XIE2PER_DESC_REF	No	PER_DESC_ID
XIE2PER_DESC_REF	No	MON_DESC
XIE2PER_DESC_REF	No	QTR_DESC
XIE2PER_DESC_REF	No	LANGUAGE_ID
XIE3PER_DESC_REF	No	PER_DESC_ID
XIE3PER_DESC_REF	No	LANGUAGE_ID
XIE3PER_DESC_REF	No	MON_DESC
XIE3PER_DESC_REF	No	QTR_DESC
XIE4PER_DESC_REF	No	MON_DESC
XIE4PER_DESC_REF	No	QTR_DESC
XIE4PER_DESC_REF	No	LANGUAGE_ID
XIE4PER_DESC_REF	No	PER_DESC_ID
XIE5PER_DESC_REF	No	QTR_DESC
XIE5PER_DESC_REF	No	WK_DESC
XIE5PER_DESC_REF	No	PER_DESC_ID

### Primary key column name

LANGUAGE\_ID  
PER\_DESC\_ID

### Child table name

None.

### Parent table name

None.

---

## PERIOD

The Period table is entirely customized and is maintained externally through the use of a spreadsheet. You can add more period definitions, but these definitions require spreadsheet customization.

### Column

Name	Datatype Null option	Comment
PER_ID	INTEGER NOT NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.



<b>Name</b>	<b>Datatype Null option</b>	<b>Comment</b>
PER_AGGR_ID	INTEGER NULL	The level of aggregation: YEAR, QUARTER, MONTH, WEEK, or DAY. This level is in the form of an ID so that language-specific text can be provided from a reference table.
PER_DESC_ID	INTEGER NULL	The description of the period. This will vary with each of the period aggregations. For a day, it will simply be the day. For a month, it will be a description of the month. For the quarter aggregation, it will be the description of the quarter, and likewise for the year. It is used so that only a single field can provide the description regardless of the level of the data. For example, for a year aggregation row — '2001' for a month aggregation — 'Feb-2001' for a day aggregation — '2001-02-07' Note that this is an ID field into the period reference table for the language-specific text.
CALENDAR_DATE	DATE NULL	A database <b>DATE</b> field and is therefore configurable at the database level. It could be February 7, 1999 or 2000-06-16.
DAY_OF_WK	INTEGER NULL	The day of the week. Values are 1 to 7. This value is not applicable for aggregate rows for year, quarter, month, or week.
DAY_OF_WK_ID	INTEGER NULL	The description of the day of the week in common terms like Monday, Tuesday, and so on. This value is an ID field into a language reference table. Values are 1 to 7. This value is not applicable for aggregate rows for year, quarter, month, or week.
DAY_OF_FM	INTEGER NULL	The day of Fiscal Month, starting at one and going to the last day of the month. It restarts at one on the next month.
DAY_OF_FM_ID	INTEGER NULL	An ID for the day of the fiscal month.
DAY_OF_FY	INTEGER NULL	The day of the fiscal year, starting at 1 and going to 365.
DAY_OF_FY_ID	INTEGER NULL	An ID for the day of fiscal year.
WK_OF_FM	INTEGER NULL	The week of the fiscal month for a given day aggregation, starting at 1 and then resetting to 1 for the first week in the next month.

Name	Datatype Null option	Comment
WK_OF_FM_ID	INTEGER NULL	An ID for the day of fiscal month.
WK_OF_FQ	INTEGER NULL	The week of the fiscal quarter for a given DAY aggregation, starting at 1 and then resetting to 1 for the first week in the next quarter.
WK_OF_FQ_ID	INTEGER NULL	An ID for the day of fiscal quarter.
WK_OF_FY	INTEGER NULL	The numeric week of the fiscal year, starting at 1 and going to possibly 52.
WK_OF_FY_ID	INTEGER NULL	A description of the Week of Fiscal Year, such as: Week 1 or Wk5-1999. This value is actually an ID into a period reference table for the language-specific description.
MON_OF_FY	INTEGER NULL	The numeric month of the fiscal year, starting with 1. If July is the first month in the fiscal year, then the value will be 1.
MON_OF_FY_ID	INTEGER NULL	The description of the numeric month of the fiscal year, but accessed through a language-specific reference table (for example, February).
QTR_OF_FY	INTEGER NULL	The numeric quarter of the fiscal year starting with 1. If July is the fourth month in the fiscal year, then the value will be 2, assuming 4 quarters and 12 months total.
QTR_OF_FY_ID	INTEGER NULL	The description of the numeric quarter of the fiscal year (for example, Qtr1-2001).
FISCAL_YR	INTEGER NULL	The numeric year (for example, 2001).
WEEKDAY_FLG	INTEGER NULL	For a DAY aggregation, this is a flag to indicate whether this is a weekday or not. 1 implies this is a weekday. All other values, including null, imply it is not a weekday.
HOLIDAY_FLG	INTEGER NULL	For a DAY aggregation, this is a flag to indicate whether this is a holiday or not: 1 implies this is a holiday. All other values, including null, imply it is not a holiday.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_PERIOD	Yes	PER_ID
XAK1PERIOD_DATE	No	CALENDAR_DATE
XIE10PERIOD	No	FISCAL_YR
XIE10PERIOD	No	QTR_OF_FY
XIE10PERIOD	No	MON_OF_FY
XIE10PERIOD	No	WK_OF_FM
XIE10PERIOD	No	WK_OF_FQ
XIE10PERIOD	No	WK_OF_FY
XIE10PERIOD	No	PER_DESC_ID
XIE10PERIOD	No	PER_ID
XIE11PERIOD	No	CALENDAR_DATE
XIE11PERIOD	No	PER_ID
XAK2PERIOD_QTR	No	QTR_OF_FY
XAK3PERIOD_MONTH	No	MON_OF_FY
XAK4PERIOD_FY	No	FISCAL_YR
XAK5PERIOD_WEEK	No	WK_OF_FY
XIE6PERIOD	No	PER_ID
XIE6PERIOD	No	FISCAL_YR
XIE6PERIOD	No	PER_DESC_ID
XIE7PERIOD	No	FISCAL_YR
XIE7PERIOD	No	PER_ID
XIE7PERIOD	No	PER_DESC_ID
XIE8PERIOD	No	PER_DESC_ID
XIE8PERIOD	No	FISCAL_YR
XIE8PERIOD	No	WK_OF_FY
XIE8PERIOD	No	PER_ID
XIE9PERIOD	No	PER_ID
XIE9PERIOD	No	FISCAL_YR
XIE9PERIOD	No	QTR_OF_FY
XIE9PERIOD	No	MON_OF_FY
XIE9PERIOD	No	WK_OF_FM
XIE9PERIOD	No	WK_OF_FQ
XIE9PERIOD	No	WK_OF_FY
XIE9PERIOD	No	PER_DESC_ID

## Primary key column name

PER\_ID

## Child table name

ATTRIBUTE\_BIN  
ATTRIBUTE  
SEGMENT  
SEGMENTATION  
FACT\_INTEREST  
FACT\_CPGN\_STATS  
FACT\_PE  
FACT\_PA  
FACT\_PC  
FACT\_SA  
FACT\_ORDERITEMS  
FACT\_INTEREST\_LIST  
FACT\_VISITS  
FACT\_ORDERS  
FACT\_EVENT

## Parent table name

None.

---

## PROD\_ATTR\_REF

This table stores the language-dependent components that describe the attributes for each product.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language that this attribute pertains to.
PROD_ATTR_ID	BIGINT NOT NULL	The internal reference number of this attribute.
NAME	VARCHAR(254) NULL	The attribute Name, examples of attributes are "Color", "Size", "Price", and so on.
DESCRIPTION	VARCHAR(254) NULL	A description of this attribute. For color, this might be the word "red".
DESCRIPTION1	VARCHAR(254) NULL	An additional description field for this attribute.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKPROD_ATTR_REF	Yes	LANGUAGE_ID
XPKPROD_ATTR_REF	Yes	PROD_ATTR_ID

Name	Unique	Member column name
XIE1PROD_ATTR_REF	No	PROD_ATTR_ID

### Primary key column name

LANGUAGE\_ID  
PROD\_ATTR\_ID

### Child table name

None.

### Parent table name

None.

---

## PRODUCT

This table holds information related to a Catalog Entry. Examples of Catalog Entries are Products, Items, and Packages & Bundles. A product has several list prices, one for each currency that it is sold in, but only one list price is included.

### Column

Name	Datatype Null option	Comment
PRODUCT_ID	BIGINT NOT NULL	The product unique ID.
BASEITEM_ID	BIGINT NULL	The generated unique key.
PARTNUM	VARCHAR(64) NULL	The reference number that identifies the Part Number of the Catalog Entry.
ONAUCTION	INTEGER NULL	This flag identifies if this Catalog Entry is on auction.
ONSPECIAL	INTEGER NULL	This flag identifies if this Catalog Entry is on special.
PRODUCT_TYPE	VARCHAR(20) NULL	An indication the type of the catalog entry. Examples of Catalog Entry types are Product, Item, Package and Bundle.
MARKEDFORDELETE	INTEGER NULL	An indication whether this Catalog Entity has been marked for deletion.
LASTUPDATED	TIMESTAMP NULL	The date the product was last updated.
MFNAME	VARCHAR(64) NULL	The name of the manufacture of the product
RPT_EST_LIST_PRICE	DECIMAL(20,5) NULL	This column is deprecated.
RPT_EST_CURRENCY	CHAR(3) NULL	This column is deprecated.

Name	Datatype Null option	Comment
MFPARTNUMBER	VARCHAR(64) NULL	The part number used by the manufacturer to identify this CatalogEntry.
ITEMSPC_ID	BIGINT NULL	The specified item that this CatalogEntry relates to. This column should only be populated for catalog entries that are of type "ItemBean", "PackageBean", or "DynamicKitBean". Specified items are used for fulfillment.
BUYABLE	INTEGER NULL	An indication whether this CatalogEntry can be purchased individually: <b>0</b> No <b>1</b> Yes
MEMBER_ID	BIGINT NULL	Identifies the owner of this Product.
BI_TYPE	CHAR(4) NULL	The type of BaseItem.
BI_PARTNUMBER	VARCHAR(64) NULL	A part number that uniquely identifies a BaseItem for a particular owner.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_PRODUCT	Yes	PRODUCT_ID
XAK1PRODUCT_TYPE	No	PRODUCT_TYPE
XIE2PRODUCT	No	LAST_UPDATED
XIF232PRODUCT	No	BASEITEM_ID

## Primary key column name

PRODUCT\_ID

## Child table name

PRODUCT\_HIERARCHY  
FACT\_INTEREST  
FACT\_INTEREST\_LIST  
FACT\_ORDERITEMS

## Parent table name

BASEITEM

---

## PRODUCT\_ATTRIBUTE

This table holds the product attribute relationships. Product can have attributes like color, size, price, and so on. In order to preserve the functioning of this table in relationship to FACT\_INTEREST\_ATTR, there is a zero dummy row.

### Column

Name	Datatype Null option	Comment
PROD_ATTR_ID	BIGINT NOT NULL	The internal reference number of this attribute.
PRODUCT_ID	BIGINT NULL	The reference number of the product to which this attribute belongs.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
XPKPRODUCT_ATTRIBU	Yes	PROD_ATTR_ID
XAK1PRODATTR_PROD	No	PRODUCT_ID

### Primary key column name

PROD\_ATTR\_ID

### Child table name

FACT\_INTEREST

### Parent table name

None.

---

## PRODUCT\_HIERARCHY

This table defines the product hierarchy relation between catalog, categories, sub-categories and products/bundles/packages and items.

### Column

Name	Datatype Null option	Comment
PROD_HIER_ID	BIGINT NOT NULL	A unique ID.
ITEM_ID	BIGINT NOT NULL	The product unique ID. A dummy row with a zero product ID must exist in the product table. This can be a future partitioning key.

Name	Datatype Null option	Comment
CATALOG_ID	BIGINT NULL	The ID for the related catalog.
CATALOG_NAME	VARCHAR(254) NULL	The name of the catalog.
CTGY_ID_PARENT	BIGINT NULL	The category parent
CTGY_ID_CHILD	BIGINT NULL	The category child. Defaults to the parent ID if there is no child of the parent.
CTGY_CHILD_SEQ	BIGINT NULL	The category sequence when the category has multiple children.
CTGY_LEVEL_IND	INTEGER NULL	The level of sub-category within the hierarchy.
PARENTOF_PARENT_AT	BIGINT NULL	The grandparent of the category. If none exists then this is 0.
PRODUCT_ID	BIGINT NULL	A product, package, or item ID Bundles are not recorded.
PRODUCT_TYPE	VARCHAR(20) NULL	A "product bean", "package bean", or "item bean". No bundle beans are recorded.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKPRODUCT_HIERARC	Yes	PROD_HIER_ID
XPKPRODUCT_HIERARC	Yes	ITEM_ID
XIF158PRODUCT_HIER	No	ITEM_ID
XIF55PRODUCT_HIERA	No	CATALOG_ID

### Primary key column name

PROD\_HIER\_ID  
ITEM\_ID

### Child table name

None.

### Parent table name

PRODUCT  
CATALOG



---

## PRODUCT\_REF

The Product Reference table contains text for Product name and description. The text in this table is derived directly from WebSphere Commerce tables and might or might not be available in the reporting language.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID of the text extracted from the relational database.
PRODUCT_ID	BIGINT NOT NULL	The product ID.
NAME	CHAR(64) NULL	The product name.
PUBLISHED	INTEGER NOT NULL	An indication whether this catalog entry should be displayed for the language indicated by LANGUAGE_ID.  <b>0</b> Indicates that it should not be displayed.  <b>1</b> Indicates that it should be displayed.
SHORT_DESCRIPTION	VARCHAR(254) NULL	The short product description. Reports can display this information.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
PK_PRODUCT_REF	Yes	LANGUAGE_ID
PK_PRODUCT_REF	Yes	PRODUCT_ID
XAK1PRODUCT_PRODID	No	PRODUCT_ID
XAK2PRODUCT_PUB	No	PUBLISHED
XIE3PRODUCT_REF	No	PRODUCT_ID
XIE3PRODUCT_REF	No	LANGUAGE_ID
XIE3PRODUCT_REF	No	NAME

### Primary key column name

LANGUAGE\_ID  
PRODUCT\_ID

## Child table name

None.

## Parent table name

None.

---

## QTR\_OF\_FY\_REF

Quarter of Fiscal Year Reference table.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
QTR_OF_FY_ID	INTEGER NOT NULL	The quarter of fiscal year ID.
QTR_OF_FY_SDESC	VARCHAR(8) NULL	The short description of the quarter. For non-DBCS languages this should be three characters maximum.
QTR_OF_FY_LDESC	VARCHAR(32) NULL	The long description of the quarter.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKQTR_OF_FY_REF	Yes	LANGUAGE_ID
XPKQTR_OF_FY_REF	Yes	QTR_OF_FY_ID

## Primary key column name

LANGUAGE\_ID  
QTR\_OF\_FY\_ID

## Child table name

None.

## Parent table name

None.

---

## RANK\_RANGE\_REF

Ranking of mining output into bins. These values are output from the mining process and can be used as a legend for visualization of the mining results contained in the attribute table.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID for the textual data.
RANK_ID	INTEGER NOT NULL	A numeric identifier for the ranking. Ranks are assigned in descending order, with top 10% in the 0 rank, top 10% - 20% in the next rank of 1.
RANK_NAME	VARCHAR(32) NULL	The decile ranking name. For example, Top 10% - 20%.
RANK_DESC	VARCHAR(254) NULL	The value ranked at the top n% to nn% of the total population. An example of a description: The value ranked at the top 10% to 20% of the total population.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKRANK_RANGE_REF	Yes	LANGUAGE_ID
XPKRANK_RANGE_REF	Yes	RANK_ID

### Primary key column name

LANGUAGE\_ID  
RANK\_ID

### Child table name

None.

### Parent table name

None.

---

## REFERENCE

This table contains all the language-dependent text. Each row in this table gets pushed out to one of the specific reference tables like MARITAL\_STAT\_REF, INCOME\_REF, and so on. This table gets populated from a reference.txt file.  
INTERNAL USE ONLY.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
REFERENCE_ID	CHAR(32) NOT NULL	The reference ID for this specific entry.
REFERENCE_TYPE	INTEGER NOT NULL	The type of reference entry.
REFERENCE_SDESC	VARCHAR(32) NULL	The short description of the text. Descriptions should be kept as short as possible so that text can be displayed on screens. One or two words or less.
REFERENCE_LDESC	VARCHAR(254) NULL	The longer description of the text. Descriptions should be kept as short as possible so that text can be displayed on screens. A very short phrase. Repeat short description if desired.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
IWPK_REFERENCE	Yes	LANGUAGE_ID
IWPK_REFERENCE	Yes	REFERENCE_ID
IWPK_REFERENCE	Yes	REFERENCE_TYPE

## Primary key column name

LANGUAGE\_ID  
REFERENCE\_ID  
REFERENCE\_TYPE

## Child table name

None.

## Parent table name

None.

---

## RFM

RFM evaluation run for accounts or contracts or members based on the attributes recorded in RFM\_ATTR\_LIST. The time stamp and equivalent PERIOD\_ID are captured at the time of each run, so trends over time can be seen.

## Column

Name	Datatype Null option	Comment
RUN_ID	INTEGER NOT NULL	A unique identifier for an RFM.
RFM_ATTR_LIST_ID	INTEGER NULL	The ID to distinguish attributes used for RFM calculation.
RUN_TYPE	INTEGER NULL	<b>0</b> Account <b>1</b> Contract <b>25</b> Member
PER_ID	INTEGER NOT NULL	The period ID associated with TIMECALCULATED. This ID is used to enable a reporting tool to show a transition over time. For example, a member might be a 415 today and a month later be a 312, which indicates a decline in recency and money.
CUSTOM_DESC	VARCHAR(50) NULL	A user-customizable description for this RMF™ run. For example, Run 21 on Jan 10th might be termed "Post Holiday Specials". Default is null.
TIMECALCULATED	TIMESTAMP NULL	The time stamp when these RFM values were calculated.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_RFM	Yes	RUN_ID
XIE1RFM	No	RUN_ID
XIE1RFM	No	LAST_UPDATED
XIF260RFM	No	RFM_ATTR_LIST_ID

## Primary key column name

RUN\_ID

## Child table name

RFM\_MEMBER  
RFM\_TRADING

## Parent table name

RFM\_ATTR\_LIST

---

## RFM\_ATTR\_LIST

This table is for internal IBM use, and not for reporting purposes. This table specifies the table names/column names used as input to the RFM algorithm. Contents of this table might be of interest to parties whom wish to customize the execution of RFM.

### Column

Name	Datatype Null option	Comment
RFM_ATTR_LIST_ID	INTEGER NOT NULL	The ID to distinguish attributes used for RFM calculation.
R_ATTR	VARCHAR(32) NULL	The Recency Attribute Name, for example "TIMECREATED".
F_ATTR	VARCHAR(32) NULL	The frequency attribute.
M_ATTR	VARCHAR(32) NULL	The monetary Attribute Name. For example "TOTAL_VALUE"
R_ATTR_TABLE	VARCHAR(32) NULL	The table containing the R attribute. The actual length is restricted to the database table name limit.
F_ATTR_TABLE	VARCHAR(32) NULL	The table containing the F attribute. The actual length is restricted to the database table name limit.
M_ATTR_TABLE	VARCHAR(32) NULL	The table containing the M attribute. The actual length is restricted to the database table name limit.
R_SCHEMA	VARCHAR(32) NULL	The schema name for the table containing the R attribute. The actual length is restricted to the database schema name limit.
F_SCHEMA	VARCHAR(32) NULL	The schema name for the table containing the F attribute. The actual length is restricted to the database schema name limit.
M_SCHEMA	VARCHAR(32) NULL	The schema name for the table containing the M attribute. The actual length is restricted to the database schema name limit.
R_ATTR_FMT	INTEGER NULL	The recency attribute format type: <b>0</b> Date <b>1</b> Time stamp
F_ATTR_FMT	INTEGER NULL	The frequency Attribute format type: <b>0</b> Integer <b>1</b> Bigint <b>2</b> Decimal <b>3</b> Float

Name	Datatype Null option	Comment
M_ATTR_FMT	INTEGER NULL	Monetary Attribute Format type: <b>0</b> Integer <b>1</b> Decimal <b>2</b> Float
LAST_UPDATED	TIMESTAMP NOT NULL	The date on which the record was last updated.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_RFM_ATTR_LIST	Yes	RFM_ATTR_LIST_ID

## Primary key column name

RFM\_ATTR\_LIST\_ID

## Child table name

RFM

## Parent table name

None.

## RFM\_MEMBER

The Recency Frequency Monetary (RFM) evaluation for members.

## Column

Name	Datatype Null option	Comment
RUN_ID	INTEGER NOT NULL	A unique identifier for an RFM.
MEMBER_ID	BIGINT NOT NULL	The member ID.
REGENCY	INTEGER NULL	The recency rating.
FREQUENCY	INTEGER NULL	The frequency rating
MONETARY	INTEGER NULL	The monetary rating
COMPOSITE_RFM	INTEGER NULL	A composite value for each individual RFM Value. For example, if recency = 3, frequency = 2, and monetary = 5, then this composite is 325.

Name	Datatype Null option	Comment
CUSTOM_DESC	VARCHAR(50) NULL	The user-customizable description for this composite RMF sell. For example, A 555 might be termed "Shooting Star". Default is null.
R_BIN_MIN	VARCHAR(40) NULL	The minimum actual recency (R) value for this bin. For example, the range of all R = 5 might represent a date range of yesterday and today. The range of all R = 4 might represent a date range of 2 days ago through 2 weeks ago.
R_BIN_MAX	VARCHAR(40) NULL	The maximum actual recency (R) value for this bin.
F_BIN_MIN	VARCHAR(40) NULL	The minimum actual frequency value (F) for this bin.
F_BIN_MAX	VARCHAR(40) NULL	The maximum actual frequency (F) value for this bin.
M_BIN_MIN	VARCHAR(40) NULL	The minimum actual monetary (M) value for this bin.
M_BIN_MAX	VARCHAR(40) NULL	The maximum actual monetary (M) value for this bin.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_RFM_MEMBER	Yes	RUN_ID
UI_RFM_MEMBER	Yes	MEMBER_ID
XIF225RFM_MEMBER	No	MEMBER_ID
XIF230RFM_MEMBER	No	RUN_ID

## Primary key column name

RUN\_ID  
MEMBER\_ID

## Child table name

None.

## Parent table name

RFM

MEMBER



---

## RFM\_TRADING

This table contains the RFM evaluation for accounts or contracts based on the attributes recorded in RFM\_ATTR\_LIST. The time stamp and equivalent PERIOD\_ID are captured at the time of each run, so trends over time can be seen.

### Column

Name	Datatype Null option	Comment
RUN_ID	INTEGER NOT NULL	The unique identifier for an RFM.
TRADING_ID	BIGINT NOT NULL	The trading ID.
ACCOUNT_ID	BIGINT NULL	The account ID.
CONTRACT_ID	BIGINT NULL	The contract ID.
TRDTYPE_ID	INTEGER NULL	Trading type ID: <b>0</b> Account <b>1</b> Contract
REGENCY	INTEGER NULL	The recency rating.
FREQUENCY	INTEGER NULL	The frequency rating.
MONETARY	INTEGER NULL	The monetary rating.
COMPOSITE_RFM	INTEGER NULL	A composite value for each individual RFM Value. For example, if recency = 3, frequency = 2, and monetary = 5, then this composite is 325.
CUSTOM_DESC	VARCHAR(50) NULL	The user customizable description for this composite RMF sell. For example, a 555 might be termed "Shooting Star". The default is null.
R_BIN_MIN	VARCHAR(40) NULL	The minimum actual recency (R) value for this bin. For example, the range of all R = 5 might represent a date range of yesterday and today. The range of all R = 4 might represent a date range of 2 days ago through 2 weeks ago.
R_BIN_MAX	VARCHAR(40) NULL	The maximum actual recency (R) value for this bin.
F_BIN_MIN	VARCHAR(40) NULL	The minimum actual frequency value (F) for this bin.
F_BIN_MAX	VARCHAR(40) NULL	The maximum actual frequency (F) value for this bin.

Name	Datatype Null option	Comment
M_BIN_MIN	VARCHAR(40) NULL	The minimum actual monetary (M) value for this bin.
M_BIN_MAX	VARCHAR(40) NULL	The maximum actual monetary (M) value for this bin.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_RFM_TRADING	Yes	RUN_ID
UI_RFM_TRADING	Yes	TRADING_ID
XIE1RFM_TRADING	No	RUN_ID
XIE1RFM_TRADING	No	TRADING_ID
XIE1RFM_TRADING	No	LAST_UPDATED
XIE1RFM_TRADING	No	FREQUENCY
XIE2RFM_TRADING	No	RUN_ID
XIE2RFM_TRADING	No	TRADING_ID
XIE2RFM_TRADING	No	LAST_UPDATED
XIE2RFM_TRADING	No	MONETARY
XIE3RFM_TRADING	No	TRADING_ID
XIE3RFM_TRADING	No	RUN_ID
XIE3RFM_TRADING	No	LAST_UPDATED
XIE4RFM_TRADING	No	RUN_ID
XIE4RFM_TRADING	No	LAST_UPDATED
XIE4RFM_TRADING	No	M_BIN_MIN
XIE4RFM_TRADING	No	M_BIN_MAX
XIE4RFM_TRADING	No	RECENCY
XIE4RFM_TRADING	No	FREQUENCY
XIE4RFM_TRADING	No	MONETARY
XIE5RFM_TRADING	No	RUN_ID
XIE5RFM_TRADING	No	LAST_UPDATED
XIE5RFM_TRADING	No	F_BIN_MIN
XIE5RFM_TRADING	No	F_BIN_MAX
XIE5RFM_TRADING	No	RECENCY
XIE5RFM_TRADING	No	FREQUENCY
XIE5RFM_TRADING	No	MONETARY
XIE6RFM_TRADING	No	RUN_ID
XIE6RFM_TRADING	No	LAST_UPDATED

Name	Unique	Member column name
XIE6RFM_TRADING	No	R_BIN_MIN
XIE6RFM_TRADING	No	R_BIN_MAX
XIE6RFM_TRADING	No	RECENCY
XIE6RFM_TRADING	No	FREQUENCY
XIE6RFM_TRADING	No	MONETARY
XIE7RFM_TRADING	No	MONETARY
XIE7RFM_TRADING	No	FREQUENCY
XIE7RFM_TRADING	No	RECENCY
XIE7RFM_TRADING	No	LAST_UPDATED
XIE7RFM_TRADING	No	COMPOSITE_RFM
XIE8RFM_TRADING	No	RUN_ID
XIE8RFM_TRADING	No	MONETARY
XIE8RFM_TRADING	No	FREQUENCY
XIE8RFM_TRADING	No	RECENCY
XIE8RFM_TRADING	No	ACCOUNT_ID
XIE9RFM_TRADING	No	RUN_ID
XIE9RFM_TRADING	No	MONETARY
XIE9RFM_TRADING	No	FREQUENCY
XIE9RFM_TRADING	No	RECENCY
XIE9RFM_TRADING	No	CONTRACT_ID
XIF229RFM_TRADING	No	RUN_ID
XIF247RFM_TRADING	No	CONTRACT_ID
XIF248RFM_TRADING	No	ACCOUNT_ID

### Primary key column name

RUN\_ID  
TRADING\_ID

### Child table name

None.

### Parent table name

ACCOUNT

CONTRACT

RFM

---

## RFQ

The Request For Quote.

## Column

Name	Datatype Null option	Comment
RFQ_ID	BIGINT NOT NULL	A unique ID for the RFQ. This ID is generically known as a trading ID.
RFQ_STATUS_ID	INTEGER NOT NULL	The state of the RFQ like draft, active, canceled, complete, future, and so on. See "RFQ_STATUS_REF" on page 153.
STORE_ID	INTEGER NULL	The identifier of the store that this RFQ was created in.
STARTTIME	TIMESTAMP NULL	The scheduled start time for the RFQ.
ENDTIME	TIMESTAMP NULL	The scheduled end time for the RFQ.
UPDATETIME	TIMESTAMP NULL	The date and time this RFQ was last updated.
ACTIVATETIME	TIMESTAMP NULL	The date and time the RFQ was posted or activated.
CANCELTIME	TIMESTAMP NULL	The date and time the RFQ was canceled.
CLOSETIME	TIMESTAMP NULL	The date and time the RFQ was closed.
COMPLETETIME	TIMESTAMP NULL	The date and time the RFQ was completed.
CREATETIME	TIMESTAMP NULL	The date and time the RFQ was created.
RFQ_ENDRES_ID	INTEGER NULL	The RFQ end result: <b>0</b> RFQ results in a contract. <b>1</b> RFQ results in an order.
MEMBER_ID	BIGINT NOT NULL	The identifier of the member who owns this RFQ.
NAME	VARCHAR(200) NOT NULL	The unique alphanumeric name for the RFQ.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_RFQ	Yes	RFQ_ID

## Primary key column name

RFQ\_ID

**Child table name**

RFQ\_RSP  
RFQ\_REQPRD

**Parent table name**

None.

**RFQ\_ENDRES\_REF**

The end result of an RFQ.

**Column**

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
RFQ_ENDRES_ID	INTEGER NOT NULL	The RFQ End Result identifier. <b>0</b> RFQ results in a contract. <b>1</b> RFQ results in an order.
RFQ_ENDRES_SDESC	VARCHAR(5) NULL	The RFQ End Result short description <b>C</b> Results in a contract. <b>O</b> Results in an order.
RFQ_ENDRES_LDESC	VARCHAR(32) NULL	The RFQ End Result long description Contract. Order.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

**Index**

Name	Unique	Member column name
XPKRFAQ_ENDRES_REF	Yes	LANGUAGE_ID
XPKRFAQ_ENDRES_REF	Yes	RFQ_ENDRES_ID

**Primary key column name**

LANGUAGE\_ID  
RFQ\_ENDRES\_ID

**Child table name**

None.

**Parent table name**

None.

**RFQ\_REQPRD**

The products on an RFQ Request.

## Column

Name	Datatype Null option	Comment
PRODUCT_ID	BIGINT NOT NULL	The internal reference number of the CatalogEntry.
RFQ_ID	BIGINT NOT NULL	A unique ID for the RFQ. This ID is generically known as a trading ID.
CURRENCY	CHAR(3) NULL	The type of currency in which the price has been specified.
PRICE	DECIMAL(20,5) NULL	The requested price for this product.
QTYUNIT_ID	CHAR(16) NULL	A unit of measure for the quantity requested. For example, kilos, tons, or millimeters.
QUANTITY	DOUBLE NULL	The quantity requested for this product.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKRFQ_REQPRD	Yes	PRODUCT_ID
XPKRFQ_REQPRD	Yes	RFQ_ID
XIF238RFQ_REQPRD	No	RFQ_ID

### Primary key column name

PRODUCT\_ID  
RFQ\_ID

### Child table name

None.

### Parent table name

RFQ

---

## RFQ\_RSP

The response to an RFQ.

## Column

Name	Datatype Null option	Comment
RFQRSP_ID	BIGINT NOT NULL	The RFQ Response ID.
RFQ_ID	BIGINT NOT NULL	A unique ID for the RFQ. This ID is generically known as a trading ID.
MEMBER_ID	BIGINT NULL	The ID of the member who created the RFQ Response.
RSP_STATUS_ID	INTEGER NOT NULL	The state of the RFQ Response: Draft Active Retracted Canceled In-evaluation Pending approval Rejected Won Lost
CREATETIME	TIMESTAMP NULL	The date and time the RFQ Response was created.
UPDATETIME	TIMESTAMP NULL	The date and time the RFQ Response was updated.
CANCELTIME	TIMESTAMP NULL	The date and time the RFQ Response was canceled.
DESCRIPTION	VARCHAR(254) NULL	The description of RFQ Response.
NAME	VARCHAR(200) NOT NULL	The name of the RFQ Response.
REMARKS	VARCHAR(254) NULL	Free-form remarks that a seller provides when creating an RFQ Response.
REJECTREASON	VARCHAR(254) NULL	An indication why the response was rejected if a response is in a rejected state.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_RFQ_RSP	Yes	RFQRSP_ID
XIF242RFQ_RSP	No	RFQ_ID

## Primary key column name

RFQRSP\_ID

## Child table name

FACT\_ORDERITEMS  
RFQ\_RSPPRD

## Parent table name

RFQ

---

## RFQ\_RSPPRD

The products on an RFQ response.

## Column

Name	Datatype Null option	Comment
PRODUCT_ID	BIGINT NOT NULL	The internal reference number of the CatalogEntry.
RFQRSP_ID	BIGINT NOT NULL	The RFQ Response ID.
CURRENCY	CHAR(3) NULL	The type of currency in which the price has been specified.
PRICE	DECIMAL(20,5) NULL	The response price for this product.
QTYUNIT_ID	CHAR(16) NULL	The unit of measure for the response quantity. For example, kilos, tons, or millimeters.
QUANTITY	DOUBLE NULL	The response quantity for this product.
RFQCATENTRYID	BIGINT NULL	The product ID for this product in the response.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKRFQ_RSPPRD	Yes	PRODUCT_ID
XPKRFQ_RSPPRD	Yes	RFQRSP_ID
XIF243RFQ_RSPPRD	No	RFQRSP_ID

## Primary key column name

PRODUCT\_ID  
RFQRSP\_ID

## Child table name

None.



## Parent table name

RFQ\_RSP

---

## RFQ\_STATUS\_REF

The RFQ status.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
RFQ_STATUS_ID	INTEGER NOT NULL	The state of the RFQ: <b>1</b> Active <b>2</b> Canceled <b>3</b> Closed <b>4</b> Complete <b>5</b> Draft <b>6</b> Future
RFQ_STATUS_SDESC	VARCHAR(5) NULL	The state of the RFQ: <b>D</b> Draft <b>A</b> Active <b>X</b> Canceled <b>C</b> Complete <b>L</b> Closed <b>F</b> Future
RFQ_STATUS_LDESC	VARCHAR(32) NULL	The state of the RFQ: Draft Active Canceled Complete Closed Future
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKRFQ_STATUS_REF	Yes	LANGUAGE_ID
XPKRFQ_STATUS_REF	Yes	RFQ_STATUS_ID

## Primary key column name

LANGUAGE\_ID  
RFQ\_STATUS\_ID

## Child table name

None.

## Parent table name

None.

---

## RSP\_STATUS\_REF

The RFQ response status.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
RSP_STATUS_ID	INTEGER NOT NULL	The state of the RFQ Response: <b>0</b> Start <b>1</b> Draft <b>2</b> Active <b>3</b> Canceled <b>4</b> In evaluation <b>5</b> Pending approval <b>6</b> Rejected <b>7</b> Retracted <b>8</b> Won <b>9</b> Lost <b>10</b> Won completed <b>11</b> Lost completed
RSP_STATUS_SDESC	VARCHAR(10) NULL	The state of the RFQ Response: <b>STR</b> Start <b>DRF</b> Draft <b>ACT</b> Active <b>CAN</b> Canceled <b>EVL</b> In evaluation <b>PEN</b> Pending approval <b>REJ</b> Rejected <b>RTR</b> Retracted <b>WON</b> Won <b>LST</b> Lost <b>WCM</b> Won completed <b>LCM</b> Lost completed
RSP_STATUS_LDESC	VARCHAR(64) NULL	The state of the RFQ Response: Start Draft Active Retracted Canceled In-evaluation Pending approval Rejected Won Lost Won completed Lost completed
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKRSP_STATUS_REF	Yes	LANGUAGE_ID
XPKRSP_STATUS_REF	Yes	RSP_STATUS_ID

## Primary key column name

LANGUAGE\_ID  
RSP\_STATUS\_ID

## Child table name

None.

## Parent table name

None.

---

## SEG\_ATTRIBUTE\_REF

Reference table for language-specific translation of each attribute name used in the mining segmentation run. The reporting language version is located in this table and used for the reports.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
ATTRIBUTE_NAME	VARCHAR(32) NOT NULL	The attribute name as carried in WCA.
DISPLAY_NAME	VARCHAR(64) NOT NULL	The name to display on the screen or in a report for segmentation results.
DISPLAY_NAME_DESC	VARCHAR(254) NULL	The long descriptive text for display on the screen or in a report for segmentation results.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKSEG_ATTRIBUTE_R	Yes	LANGUAGE_ID
XPKSEG_ATTRIBUTE_R	Yes	ATTRIBUTE_NAME

## Primary key column name

LANGUAGE\_ID  
ATTRIBUTE\_NAME

## Child table name

None.

## Parent table name

None.

---

## SEGMENT

This table defines each segment that was the output of a mining segmentation.

### Column

Name	Datatype Null option	Comment
SEGMENTATION_ID	INTEGER NOT NULL	The segmentation ID.
SEGMENT_ID	INTEGER NOT NULL	The segment ID.
PER_ID	INTEGER NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.
SEGMENT_INDEX	INTEGER NULL	The segment index that can be used to join by SEGMENT_INDEX in the APPLY_INIT table or to SEGMENT_INDEX in APPLY_MEMBER table.
SEGMENT_NAME	VARCHAR(64) NULL	The name of this segment.
SEGMENT_DESC	VARCHAR(254) NULL	The description of this segment.
NUM_ITEMS	INTEGER NULL	The number of items in this segment.
SEGMENT_SIZE_PCT	FLOAT NULL	The size of the bin expressed in percentage size. The value is (num_items/(num_items of the segmentation))*100.0. It ranges from 0 - 100.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
P_SEGMENT	Yes	SEGMENTATION_ID
P_SEGMENT	Yes	SEGMENT_ID
XIF153SEGMENT	No	PER_ID
XIF8SEGMENT	No	SEGMENTATION_ID

## Primary key column name

SEGMENTATION\_ID  
SEGMENT\_ID

## Child table name

ATTRIBUTE

## Parent table name

PERIOD  
SEGMENTATION

---

## SEGMENTATION

This table holds each segmentation runs output. A segmentation is made up of several segments (clusters) defined by attributes (data columns) which are then grouped into several value bins.

## Column

Name	Datatype Null option	Comment
SEGMENTATION_ID	INTEGER NOT NULL	The ID for the segmentation run.
PER_ID	INTEGER NULL	A uniquely generated ID used for joining the PERIOD table to all other fact tables. Allows the user to select or group dates into standard period definitions such as week, month, quarter, year, and fiscal periods.
SEGMENTATION_NAME	VARCHAR(64) NULL	The name of the segmentation run.
SEGMENTATION_DESC	VARCHAR(254) NULL	The text describing the segmentation.
SEGMENTATION_TYPE	INTEGER NULL	An IBM reserved field.
SEGMENTATION_ALG	INTEGER NULL	An indication which segmentation algorithm was selected by the end user. <b>0</b> Demographic segmentation <b>1</b> Neural segmentation

Name	Datatype Null option	Comment
NUM_SEGMENTS	INTEGER NULL	The number of segments that this segmentation run discovered.
NUM_ATTRIBUTES	INTEGER NULL	The number of attributes in this segmentation model.
NUM_ITEMS	INTEGER NULL	The total population for the model build.
SAMPLE_SIZE_PCT	INTEGER NULL	The sample size of the data used for building this model. It is defined in term of the percentage size. It ranges from 1 - 100.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
P_SEGMENTATION	Yes	SEGMENTATION_ID
XIF152SEGMENTATION	No	PER_ID

## Primary key column name

SEGMENTATION\_ID

## Child table name

APPLY\_RESULT  
APPLY\_MEMBER  
APPLY\_INIT  
SEGMENT

## Parent table name

PERIOD

---

## SHIPMODE

This table defines the various shipping modes for shipping goods.

## Column

Name	Datatype Null option	Comment
SHIPMODE_ID	INTEGER NOT NULL	The shipping mode unique ID.
CARRIER	VARCHAR(30) NULL	The name of the carrier.

Name	Datatype Null option	Comment
SHIPPING_METHOD	VARCHAR(30) NULL	The shipping method employed, overnight or express delivery for example.
STORE_ID	INTEGER NULL	The store that the shipping mode is allowed for.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_SHIPMODE	Yes	SHIPMODE_ID
XAK1SHIPMODE_STORE	No	STORE_ID

## Primary key column name

SHIPMODE\_ID

## Child table name

FACT\_ORDERITEMS

## Parent table name

None.

---

## STORE

This table documents the stores that exist in the system.

## Column

Name	Datatype Null option	Comment
STORE_ID	INTEGER NOT NULL	The store identifier.
BUSINESS_LOC	VARCHAR(10) NULL	The business Location as recorded for World Tax processing.
STORE_CURRENCY	CHAR(3) NULL	The default currency for the store based on the default language ID for the store.
LANGUAGE_ID	INTEGER NULL	The default language for the store. Note that this language is not the reporting language ID. Likewise, the shopper can be working in his preferred LANGUAGE_ID, which could differ from the default language of the store.

Name	Datatype Null option	Comment
COMPANY	CHAR(20) NULL	The World Tax company ID.
STORETYPE	CHAR(3) NULL	An indication that one of the following store types, for use by a user interface that provides appropriate functions, depending on the STORETYPE:  <b>B2B</b> Business to Business.  <b>B2C</b> Business to Consumer. Can also be null.
FFMCENTER_ID	INTEGER NULL	The default fulfillment center for the store.
RTNFFMCTR_ID	INTEGER NULL	The default fulfillment center for returning merchandise to the Store.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_STORE	Yes	STORE_ID
STR_ALT_CURRENCY	No	STORE_CURRENCY

## Primary key column name

STORE\_ID

## Child table name

CAMPAIGN  
MPE  
INITIATIVE  
FACT\_CPGN\_STATS  
FACT\_SA  
FACT\_ORDERITEMS  
FACT\_PC  
FACT\_PA  
FACT\_PE  
FACT\_INTEREST  
FACT\_INTEREST\_LIST  
FACT\_VISITS  
FACT\_ORDERS  
FACT\_EVENT

## Parent table name

None.



---

## STORE\_REF

Store Reference table. This table contains language-specific translations of textual information pertaining to stores.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID for the store-specific text fields.
STORE_ID	INTEGER NOT NULL	The store identifier.
STORE_NAME	VARCHAR(80) NULL	A brief display name for the store. The language ID for the reporting system should be used to access the correct name. If there is not an entry for that language, then the stores default language ID should be used.
CITY	VARCHAR(128) NULL	The physical city for the store. This text is based on the default language of the store and is not available in a language translation of that text.
COUNTRY	VARCHAR(128) NULL	The Country or region that the store is located in. This text is based on the default language of the store and is not available in a language translation of that text.
STATE_PROV	VARCHAR(128) NULL	The state or providence for the store. This text is based on the default language of the store and is not available in a language translation of that text.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
XPSTORE_REF	Yes	LANGUAGE_ID
XPSTORE_REF	Yes	STORE_ID
XAK1STOREREF_STORE	No	STORE_ID
XIE2STORE_REF	No	STORE_ID
XIE2STORE_REF	No	LANGUAGE_ID
XIE2STORE_REF	No	STORE_NAME

## Primary key column name

LANGUAGE\_ID  
STORE\_ID

## Child table name

None.

## Parent table name

None.

---

## SUM\_MEMBER

This table stores sums of orders per member, counts for number of orders, and most recent order date.

## Column

Name	Datatype Null option	Comment
MEMBER_ID	BIGINT NOT NULL	The member ID.
ORG_USER	INTEGER NULL	The indicator as to if this member is a User or an Organization. WCA 1.1 only had Users. <b>Null</b> Users <b>1</b> Organization
SUM_RPT_SALES_VAL	DECIMAL(20,5) NULL	The total sales value for all the OrderItems, for all orders for this trading entity.
SUM_NUM_ORDERS	INTEGER NULL	The total number of orders associated with this account, contract or winning RFQ. This number cannot be summed and so on across multiple trading IDs.
SUM_NUM_ORDERITEMS	INTEGER NULL	The total number of order items associated with this account, contract or winning RFQ.
REPORT_CURRENCY	CHAR(3) NULL	The reporting currency used for consolidated reporting.
LATEST_ORDER_DATE	TIMESTAMP NULL	The latest order date for this member.
LAST_UPDATED	TIMESTAMP NOT NULL	The date on which the record was last updated.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that performed the last update.

## Index

Name	Unique	Member column name
UI_SUM_MEMBER	Yes	MEMBER_ID

## Primary key column name

MEMBER\_ID

## Child table name

None.

## Parent table name

None.

---

## SUM\_TRADING

Sums of values related to trading entities (accounts, contracts, and so on) that have OrderItems associated with them.

## Column

Name	Datatype Null option	Comment
TRADING_ID	BIGINT NOT NULL	A unique ID for the contract or account.
TRDTYPE_ID	INTEGER NULL	The trading type ID.
SUM_RPT_SALES_VAL	DECIMAL(20,5) NULL	The total sales value for all the OrderItems, for all orders by trading ID.
SUM_NUM_ORDERS	INTEGER NULL	The total number of orders associated with this account, contract or winning RFQ. This number cannot be summed and so on across multiple trading IDs.
SUM_NUM_ORDERITEMS	INTEGER NULL	The total number of order items associated with this account, contract or winning RFQ.
REPORT_CURRENCY	CHAR(3) NULL	The reporting currency used for consolidated reporting.
LATEST_ORDER_DATE	TIMESTAMP NULL	The latest order date for this trading entity.
LAST_UPDATED	TIMESTAMP NOT NULL	The date on which the record was last updated.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that performed the last update.

## Index

Name	Unique	Member column name
UI_SUM_TRADING	Yes	TRADING_ID
XIE1SUM_TRADING	No	TRDTYPE_ID
XIE1SUM_TRADING	No	TRADING_ID
XIE1SUM_TRADING	No	SUM_RPT_SALES_VAL

Name	Unique	Member column name
XIE2SUM_TRADING	No	TRDTYPE_ID
XIE2SUM_TRADING	No	TRADING_ID
XIE2SUM_TRADING	No	LATEST_ORDER_DATE
XIE3SUM_TRADING	No	TRDTYPE_ID
XIE3SUM_TRADING	No	TRADING_ID
XIE3SUM_TRADING	No	SUM_NUM_ORDERS
XIE4SUM_TRADING	No	TRDTYPE_ID
XIE4SUM_TRADING	No	TRADING_ID

### Primary key column name

TRADING\_ID

### Child table name

None.

### Parent table name

None.

---

## TRADETYPE\_REF

The language-specific text denoting the trading types contract, account, or RFQ and so on. These descriptions are not extracted from WebSphere Commerce. The default IDs and descriptions match default WebSphere Commerce definitions, but changes to WebSphere Commerce must be performed here.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID for the store-specific text fields.
TRDTYPE_ID	INTEGER NOT NULL	The trading type ID: <b>0</b> Account <b>1</b> Contract <b>2</b> RFQReq <b>3</b> RFQResp <b>4</b> RFQResult <b>5</b> Exchange <b>6</b> Auction <b>7</b> ReverseAuction <b>Null</b> If none of the above

Name	Datatype Null option	Comment
TRDTYPE_SDESC	VARCHAR(20) NULL	Trading type ID: <b>A</b> Account <b>C</b> Contract <b>RQ</b> RFQReq <b>RS</b> RFQResp <b>RR</b> RFQResult <b>X</b> Exchange <b>6</b> Auction <b>RAU</b> ReverseAuction <b>Null</b> If none of the above
TRDTYPE_LDESC	VARCHAR(64) NULL	Trading type ID: Account Contract RFQReq RFQResp RFQResult Exchange Auction Reverse Auction Null if none of the above.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPKTRADETYPE_REF	Yes	LANGUAGE_ID
XPKTRADETYPE_REF	Yes	TRDTYPE_ID

## Primary key column name

LANGUAGE\_ID  
TRDTYPE\_ID

## Child table name

L\_TRADETYPE\_REF

## Parent table name

None.

---

## TRADING

Trading agreements are Accounts, Contracts, and Requests for Quotes (RFQs), and RFQ Responses. The specific type of trading entity is indicated in a separate field in the table.

## Column

Name	Datatype Null option	Comment
TRADING_ID	BIGINT NOT NULL	The trading ID.
TRD_STATUS_ID	INTEGER NULL	The trading status ID. See "TRD_STATUS_REF" on page 167.
TRDTYPE_ID	INTEGER NULL	Trading type ID: <b>0</b> Account <b>1</b> Contract <b>2</b> RFQReq <b>3</b> RFQResp <b>4</b> RFQResult <b>5</b> Exchange <b>6</b> Auction <b>7</b> ReverseAuction <b>Null</b> If none of the above
ACCOUNT_ID	BIGINT NULL	The account ID.
CREDITALLOWED	INTEGER NOT NULL	The credit indicator for the trading agreement: <b>0</b> Not allowed <b>1</b> Allowed
STARTTIME	TIMESTAMP NULL	The start time for the Trading Agreement. If null, start immediately.
ENDTIME	TIMESTAMP NULL	The end time for the Trading Agreement. If null, no end time.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
UI_TRADING	Yes	TRADING_ID
XIF256TRADING	No	ACCOUNT_ID

### Primary key column name

TRADING\_ID

### Child table name

FACT\_ORDERITEMS

### Parent table name

ACCOUNT

---

## TRD\_STATUS\_REF

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
TRD_STATUS_ID	INTEGER NOT NULL	The trading status ID: <b>0</b> Inactive <b>1</b> Active
TRD_STATUS_SDESC	VARCHAR(6) NULL	The short description for trading status. The trading status ID: <b>I</b> Inactive <b>A</b> Active
TRD_STATUS_LDESC	VARCHAR(64) NULL	The long description for trading status. The trading status ID: Inactive Active
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

### Index

Name	Unique	Member column name
XPKTRD_STATUS_REF	Yes	LANGUAGE_ID
XPKTRD_STATUS_REF	Yes	TRD_STATUS_ID

### Primary key column name

LANGUAGE\_ID  
TRD\_STATUS\_ID

### Child table name

L\_TRD\_STATUS\_REF

### Parent table name

None.

---

## WK\_OF\_FM\_REF

Week of Fiscal Month language-specific text used for reporting labels.

### Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.

Name	Datatype Null option	Comment
WK_OF_FM_ID	INTEGER NOT NULL	The week of fiscal month ID.
WK_OF_FM_SDESC	VARCHAR(10) NULL	The short text description for the week of fiscal month.
WK_OF_FM_LDESC	VARCHAR(32) NULL	The long text description for the week of fiscal month.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPWK_OF_FM_REF	Yes	LANGUAGE_ID
XPWK_OF_FM_REF	Yes	WK_OF_FM_ID
XAK1WKFMREF_WK	No	WK_OF_FM_ID

## Primary key column name

LANGUAGE\_ID  
WK\_OF\_FM\_ID

## Child table name

None.

## Parent table name

None.

---

## WK\_OF\_FQ\_REF

Week of Fiscal Quarter language-specific text used for reporting labels.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language version ID.
WK_OF_FQ_ID	INTEGER NOT NULL	The week of fiscal quarter ID.
WK_OF_FQ_SDESC	VARCHAR(10) NULL	The short text description for the week of fiscal quarter.
WK_OF_FQ_LDESC	VARCHAR(32) NULL	The long text description for the week of fiscal quarter.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.



Name	Datatype Null option	Comment
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPWKWK_OF_FQ_REF	Yes	LANGUAGE_ID
XPWKWK_OF_FQ_REF	Yes	WK_OF_FQ_ID
XAK1WKFQREF_WK	No	WK_OF_FQ_ID

## Primary key column name

LANGUAGE\_ID  
WK\_OF\_FQ\_ID

## Child table name

None.

## Parent table name

None.

---

## WK\_OF\_FY\_REF

Week of Fiscal Year Reference Table.

## Column

Name	Datatype Null option	Comment
LANGUAGE_ID	INTEGER NOT NULL	The language ID.
WK_OF_FY_ID	INTEGER NOT NULL	The week of fiscal year ID.
WK_OF_FY_SDESC	VARCHAR(10) NULL	The short description of week of the fiscal year. For example, Week1
WK_OF_FY_LDESC	VARCHAR(32) NULL	The long description for the week of fiscal year.
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## Index

Name	Unique	Member column name
XPWKWK_OF_FY_REF	Yes	LANGUAGE_ID

Name	Unique	Member column name
XPKWK_OF_FY_REF	Yes	WK_OF_FY_ID
XAK1WKFYREF_WK	No	WK_OF_FY_ID

**Primary key column name**

LANGUAGE\_ID  
WK\_OF\_FY\_ID

**Child table name**

None.

**Parent table name**

None.

---

## Chapter 3. WCA datamart views

This appendix describes the views used in connection with the WCA datamart.

**Note:** Except where noted, the Referenced Column Name is the same as the Column Name.

---

### EMSPOT

This view contains registered e-Marketing Spots (EMSPOTs). As a view, it provides a transition path from MPE terminology to the EMSPOT terminology. Each of these fields references the MPE table.

Column Name	Datatype Null Option	Comment
STORE_ID	INTEGER NULL	The store identifier.
NAME	VARCHAR(64) NULL	The name of an e-marketing spot.
DESC	VARCHAR(254) NULL	The description of a marketing page element (e-marketing spot).
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.
EMSPOT_ID <b>Note:</b> Reference Table Column name is MPE_ID	INTEGER NOT NULL	A unique e-Marketing spot ID.

---

### L\_ACCT\_STATUS\_REF

This view is the account status reference table. As a view, it provides information about the state of the account, such as whether the account is initial, active, or closed.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
ACCT_STATUS_ID	INTEGER NOT NULL	An identifier for the state of the account. Only the following states are used: <b>1</b> Initial <b>3</b> Active <b>6</b> Closed
ACCT_STATUS_SDESC	VARCHAR(32) NULL	The short description of the account status.

Column Name	Datatype Null Option	Comment
ACCT_STATUS_LDESC	VARCHAR(64) NULL	The long description of the account status.

## L\_AD\_TYPE\_REF

This view is the advertisement type reference table. As a view, it provides information that is pre-populated by the WCA configuration program into the AD\_TYPE\_REF table from the CPWALLET.ACCEPTFROMTYPE column of the WebSphere Commerce PROGRAM REFERENCE table.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
AD_TYPE	CHAR(32) NULL	The translated name for the WebSphere Commerce short names. The values are: <b>B</b> Banner ad <b>E</b> E-mail <b>O</b> Offer list <i>blank</i> Unknown type
AD_TYPE_DESC	VARCHAR(254) NULL	The WCA-provided translated description of the advertisement type (for example, an e-mail or a banner ad).
AD_TYPE_MAP	CHAR(1) NULL	A mapping of the WebSphere Commerce CPWALLET.ACCEPTFROMTYPE column: <b>B</b> Banner ad <b>E</b> E-mail <b>O</b> Offer list <i>blank</i> Unknown type
AD_TYPE_ID	INTEGER NOT NULL	An identifier for the type of advertisement. Only the following values are used: <b>1</b> B (banner ad) <b>2</b> E (e-mail) <b>3</b> O (offer list) <b>-9999</b> Null

## L\_ADJUST\_LEVEL\_REF

This view is the adjustment-level reference table. As a view, it provides information that is pre-populated by the WCA configuration program into the ADJUST\_LEVEL\_REF table from the CALCODE.DISPLAYLEVEL column of the WebSphere Commerce table.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
ADJUST_LEVEL_ID	INTEGER NOT NULL	An identifier for the level of adjustment.
ADJUST_LEVEL	CHAR(64) NULL	The value for this OrderAdjustment should be displayed with each: <b>0</b> OrderItem <b>1</b> Order <b>2</b> Product <b>3</b> Item <b>4</b> Contract
ADJUST_LEVEL_MAP	INTEGER NULL	A mapping to the WebSphere Commerce CALCODE.DISPLAYLEVEL column: <b>0</b> OrderItem <b>1</b> Order <b>2</b> Product <b>3</b> Item <b>4</b> Contract
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## L\_ADJUST\_TYPE\_REF

This view is the adjustment type reference table. As a view, it provides information that is pre-populated by the WCA configuration program into the ADJUST\_TYPE\_REF table from the WebSphere Commerce CALUSAGE table.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
ADJUST_TYPE_ID <b>Note:</b> Referenced Column Name is WCS.CALUSAGE.CALUSAGE_ID	INTEGER NOT NULL	The identifier populated from the WebSphere Commerce CALUSAGE_ID column of the CALUSAGE table.
ADJUST_TYPE	CHAR(254) NULL	The adjustment type populated from the WebSphere Commerce DESCRIPTION column of the CALUSAGE table. The types are: <b>-1</b> Discount <b>-2</b> Shipping <b>-3</b> Sales <b>-4</b> Shipping tax <b>-5</b> Coupon

Column Name	Datatype Null Option	Comment
ADJUST_TYPE_DESC	VARCHAR(254) NULL	A longer description for the adjustment types, such as Discount Shipping Sales tax Shipping tax Coupon
ADJUST_TYPE_MAP	INTEGER NULL	The ADJUST_TYPE_MAP and the ADJUST_TYPE_ID are the same value. The ADJUST_TYPE_MAP value follows the pattern where a column in the WCA REFERENCE table maps directly to a column in the WebSphere Commerce CALUSAGE table.

## L\_APV\_STATUS\_REF

Column Name	Datatype Null Option	Comment
APV_STATUS_ID	INTEGER NOT NULL	The identifier for the contract state. Valid values are: <b>0</b> Pending approval <b>1</b> Approved <b>2</b> Rejected <b>Null</b> The approval is not applicable
APV_STATUS_SDESC	VARCHAR(5) NULL	<b>P</b> Pending approval <b>A</b> Approved <b>R</b> Rejected <b>Null</b> The approval is not applicable
APV_STATUS_LDESC	VARCHAR(32) NULL	The registration approval status as follows: Pending approval Approved Rejected Null - the approval is not applicable.

## L\_CON\_STATUS\_REF

This view is the contract status reference table. As a view, it provides information about the state of the contract.

All **L\_** prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
CON_STATUS_ID	INTEGER NOT NULL	The identifier for the contract state. Valid values are: 0 Draft 1 Pending approval 2 Approved 3 Active 4 Rejected 5 Canceled 6 Closed 7 Suspended -1 deployment in progress. -2 deployment failed.
CON_STATUS_SDESC	VARCHAR(64) NULL	The short description for the contract status. Valid values are: Draft Pending Approved Active Rejected Canceled Closed Suspended Deployment in progress Deployment failed
CON_STATUS_LDESC	VARCHAR(128) NULL	The long description for the contract status. Valid values are: Draft Pending Approved Active Rejected Canceled Closed Suspended Deployment in progress Deployment failed

## L\_CPN\_STATUS\_REF

This view is the coupon status reference table that provides information about the state of the coupon, such as: active, deleted, or expired. As a view, it provides information that is pre-populated by the WCA configuration program into the CPN\_STATUS\_REF table from the CPPMN.STATUS column of the WebSphere Commerce PROGRAM REFERENCE table.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
CPN_STATUS	CHAR(32) NULL	The WCA-created translated content that matches the CPN_STATUS_MAP field. Valid values are: Active Deleted Expired
CPN_STATUS_DESC	VARCHAR(254) NULL	The WCA-created translated content that matches the CPN_STATUS_MAP field.
CPN_STATUS_MAP	CHAR(1) NULL	The coupon status mapping to the WebSphere Commerce STATUS column of the CPPMN table. <b>A</b> Active <b>D</b> Deleted <b>E</b> Expired
CPN_STATUS_ID	INTEGER NOT NULL	The WCA-created ID that is used to map the WebSphere Commerce coupon status values to the WCA values.

## L\_CPN\_TYPE\_REF

This view is the coupon type reference table. As a view, it provides information about the type of coupon, such as: product, category, or order.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
CPN_TYPE	CHAR(32) NULL	The WCA-provided translated content type. Valid values are: Product Category Order
CPN_TYPE_DESC	CHAR(254) NULL	The WCA-provided translated content description. <ul style="list-style-type: none"> <li>This coupon is restricted based on the products in the shopping cart.</li> <li>This coupon is restricted based on the category of products in the shopping cart.</li> <li>This coupon is restricted based on the attributes of the shopping cart.</li> </ul>



Column Name	Datatype Null Option	Comment
CPN_TYPE_MAP	CHAR(32) NULL	The coupon type map that specifies whether the coupon is based on the product, category or category group, or the order level. <b>P</b> Product <b>O</b> Order <b>C</b> Catalog group
CPN_TYPE_ID	INTEGER NOT NULL	The WCA-provided ID. The ID is unique for each CPN_TYPE_MAP.

## L\_MPF\_TYPE\_REF

Column Name	Datatype Null Option	Comment
MPF_TYPE_ID	INTEGER NOT NULL	Identifies whether there is a profile and what type of profile this user has. <b>Null</b> No profile data <b>0</b> C (base profile data) <b>1</b> B (business profile data)
MPF_TYPE_SDESC	VARCHAR(5) NULL	Identifies whether there is a profile and what type of profile this user has. <b>Null</b> No profile data <b>C</b> Base profile data <b>B</b> business profile data
MPF_TYPE_LDESC	VARCHAR(32) NULL	Identifies whether there is a profile and what type of profile this user has. <b>Null</b> No profile data <b>0</b> C (base profile data) <b>1</b> B (business profile data)

## L\_ORDER\_STATUS\_REF

This view is the order status reference table. As a view, it provides information about the state of the order, whether the customer initiated payment, and whether the payment has been authorized and shipped.

All **L\_** prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
ORDER_STATUS_ID	INTEGER NOT NULL	<p>The order status ID. Valid values are:</p> <p><b>1</b> Pending Order. The customer still can modify the order. If left too long, the order might be considered abandoned.</p> <p><b>2</b> Cancelled. The customer has cancelled their order.</p> <p><b>3</b> Submitted. The customer has not initiated payment yet.</p> <p><b>4</b> The customer-initiated payment and inventory were successfully updated.</p> <p><b>5</b> The customer-initiated payment and inventory have failed. The status is Pending due to inventory issues.</p> <p><b>6</b> The customer has initiated payment, and payment was authorized.</p> <p><b>7</b> The order has been shipped.</p> <p><b>Note:</b> The status of 1, 3, 4, or 5 imply pending.</p> <p><b>8</b> Indicates an order template.</p>

Column Name	Datatype Null Option	Comment
ORDER_STATUS	CHAR(1) NOT NULL	<p>The order status. Valid values are:</p> <p><b>P</b> Pending Order. The customer can still modify the order. If left too long, the order might be considered abandoned.</p> <p><b>X</b> Cancelled. The customer has cancelled their order.</p> <p><b>I</b> Submitted. The customer has not initiated payment yet.</p> <p><b>M</b> The customer-initiated payment and inventory were successfully updated.</p> <p><b>L</b> The customer-initiated payment and inventory failed. The status is Pending due to inventory issues.</p> <p><b>C</b> The customer has initiated payment and payment was authorized.</p> <p><b>S</b> The order has been shipped.</p> <p><b>Q</b> Indicates an order template.</p> <p><b>Note:</b> The P, I, L or M status imply pending.</p>
ORDER_STATUS_DESC	VARCHAR(128) NULL	<p>The order status description. Valid values are:</p> <p><b>1 = P</b> Pending Order. Customer may still modify order. If left too long order may be considered abandoned.</p> <p><b>2 = X</b> Cancelled. Customer has cancelled their order.</p> <p><b>3 = I</b> Submitted. Customer has not initiated payment yet.</p> <p><b>4 = M</b> Customer initiated payment and inventory was successfully updated.</p> <p><b>5 = L</b> Customer initiated payment and inventory failed. Pending due to inventory issues.</p> <p><b>6 = C</b> Customer has initiated payment and payment was authorized.</p> <p><b>7 = S</b> The order has been shipped.</p> <p><b>8 = Q</b> Indicates an order template.</p> <p><b>Note:</b> The P, I, L or M status imply pending.</p>
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.

Column Name	Datatype Null Option	Comment
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.

## L\_ORIGIN\_REF

This view is the origination reference table. As a view, it provides information about the creation of the order.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
ORIGIN_ID	INTEGER NOT NULL	The ID that identifies how the contract was created. Valid values are: <b>0</b> Manual <b>1</b> Imported <b>2</b> RFQ <b>3</b> Exchange <b>4</b> Auction <b>5</b> Reverse auction <b>6</b> 2-party negotiation
ORIGIN_SDESC	VARCHAR(6) NULL	The short description for how the contract was created: <b>M</b> Manual <b>I</b> Imported <b>R</b> RFQ <b>X</b> Exchange <b>4</b> Auction <b>A</b> Reverse auction <b>N</b> 2-party negotiation
ORIGIN_LDESC	VARCHAR(64) NULL	The long description for how the contract was created: <ul style="list-style-type: none"> <li>• Manual</li> <li>• Imported</li> <li>• RFQ</li> <li>• Exchange</li> <li>• Auction</li> <li>• Reverse auction</li> <li>• 2-party negotiation</li> </ul>

## L\_PARTROLE\_REF

This view is the participant role reference table. As a view, it provides information about the role of the participant.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
PARTROLE_ID	INTEGER NOT NULL	The participant role ID.
		0 Creator
		1 Seller
		2 Buyer
		3 Supplier
		4 Approver
		5 accountHolder
		6 buyerContact
		7 sellerContact
		8 Attorney
9 Administrator		
PARTROLE_LDESC	VARCHAR(64) NULL	0 Creator
		1 Seller
		2 Buyer
		3 Supplier
		4 Approver
		5 accountHolder
		6 buyerContact
		7 sellerContact
		8 Attorney
		9 Administrator
PARTROLE_SDESC	VARCHAR(50) NULL	<ul style="list-style-type: none"> <li>• Creator</li> <li>• Seller</li> <li>• Buyer</li> <li>• Supplier</li> <li>• Approver</li> <li>• accountHolder</li> <li>• buyerContact</li> <li>• sellerContact</li> <li>• Attorney</li> <li>• Administrator</li> </ul>

## L\_TRADETYPE\_REF

This view is the trade type reference table. As a view, it provides information about the types of trade, such as: account, contract, RFQ, exchange, or auction.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
TRDTYPE_ID	NOT NULL	The trading type ID. Valid values are:
		1 Account
		1 Contract
		2 RFQReq
		3 RFQResp
		4 RFQResult
		5 Exchange
		6 Auction
		7 ReverseAuction.
NULL If none of the above		

Column Name	Datatype Null Option	Comment
TRDTYPE_SDESC	VARCHAR(20) NULL	The short description for the trading type. <b>A</b> Account <b>C</b> Contract <b>RQ</b> RFQReq <b>RS</b> RFQResp <b>RR</b> RFQResult <b>X</b> Exchange <b>AU</b> Auction <b>7</b> ReverseAuction. <b>NULL</b> If none of the above
TRDTYPE_LDESC	VARCHAR(64) NULL	The long description for the trading type. Valid values are: <ul style="list-style-type: none"> <li>• Account</li> <li>• Contract</li> <li>• RFQReq</li> <li>• RFQResp</li> <li>• RFQResult</li> <li>• Exchange</li> <li>• Auction</li> <li>• ReverseAuction</li> <li>• Null, if none of the above</li> </ul>

## L\_TRD\_STATUS\_REF

This view is the trade status reference table. As a view, it provides information about the state of the trade, such as: active or inactive.

All L\_ prefaced views refer to language-normalized views. These views show descriptions from the related WCA datamart table using the reporting language that you selected during configuration.

Column Name	Datatype Null Option	Comment
TRD_STATUS_ID	INTEGER NOT NULL	The trading status ID. Valid values are: <b>0</b> Inactive <b>1</b> Active
TRD_STATUS_SDESC	VARCHAR(6) NULL	The short description for the trading status. Valid values are: <b>I</b> Inactive <b>A</b> Active
TRD_STATUS_LDESC	VARCHAR(64) NULL	The long description for the trading status. Valid values are: Inactive Active

## RESULTTYPE\_REF

This view is the result type reference table. Each of these fields references the MPE\_TYPE\_REF table.

Column Name	Datatype Null Option	Comment
RESULTTYPE_ID <b>Note:</b> Referenced Column Name is MPETYPE_ID	INTEGER NOT NULL	An identifier for whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>0</b> Base profile data <b>1</b> Business profile data
RESULTTYPE <b>Note:</b> Referenced Column Name is MPETYPE_NAME	VARCHAR(64) NULL	The result type, which identifies whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>C</b> Base profile data <b>B</b> Business profile data
RESULTTYPE_DESC <b>Note:</b> Referenced Column Name is MPETYPE_DESC	VARCHAR(254) NULL	A description that identifies whether there is a profile and what type of profile this user has. Valid values are: <b>Null</b> No profile data <b>0</b> Base profile data <b>1</b> Business profile data
LAST_UPDATED	TIMESTAMP NOT NULL	The time stamp of the last update to the record.
LAST_UPDATED_ID	INTEGER NOT NULL	The ID of the application that last updated the record.
LANGUAGE_ID	INTEGER NOT NULL	The language version indicator.





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## Appendix A. Capacity planning

This appendix contains information regarding how the storage requirements for the WCA datamart are calculated. Because WCA maintains historical information from the WebSphere Commerce operational database, it can grow to be quite large. You will need to plan for the size of the tablespaces in the datamart to ensure that you don't run out of space. Default values are provided during WCA Configuration, but you should tailor these values to fit your needs.

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### Determining data storage requirements based on table space sizes

Use the requirements information to help determine the hard disk requirements for the WCA server. The tables and associated table spaces on the WCA server are listed by schema.

The WCA schema holds the WCA datamart. Use the following formula for tables in the WCA schema:

Table size = (sum of the column sizes in bytes) \* (number of rows inserted)

WCATMP schema tables are used to find the last valid update during the run cycle for unique record occurrence based on the primary key of the table. These tables are cleared between runs and are not affected by initial replication and extraction.

**Use the following formula for tables in the WCATMP schema:**

Table size = (sum of the column sizes in bytes) \* (number of update records processed)

WCAETL schema tables are used to transform the data before it populates the WCA datamart tables. Use the following formulas to determine the space required for these tables:

*Table 1. WCAETL schema table formulas*

WCAETL Schema Table	Formula
BROWSER1_INFO	This table never has more than 1000 rows.
DMT_MEMBER_T	Table size = (sum of the column sizes in bytes) * (number of records in the WCA.MEMBER table)
FE_CLICKS_T	Table size = (sum of the column sizes in bytes) * (maximum incremental number of clickinfo pathinfo type records in the USRTRAFFIC_R table) <b>Note:</b> (pathinfo is a field in the USRTRAFFIC_R table)
FE_REFURL_T	Table size = (sum of the column sizes in bytes) * (maximum incremental number of USRTRAFFIC_R records)
FE_FOI_T	Table size = (sum of the column sizes in bytes) * (maximum incremental number of ORDERITEMS_R records)
FE_UPDS_T	Table size = (sum of the column sizes in bytes) * (maximum incremental number of ORDERITEMS_R records)
FM_FOI_T	Table size = (sum of the column sizes in bytes) * (maximum incremental number of pathinfo records ending in *jsp in the USRTRAFFIC_R table)

Table 1. WCAETL schema table formulas (continued)

WCAETL Schema Table	Formula
FM_UPDATE_T	Table size = (sum of the column sizes in bytes) * (maximum incremental number of pathinfo records ending in *jsp in the USRTRAFFIC_R table)
FM_UPDS_T	Table size = (sum of the column sizes in bytes) * (maximum incremental number of pathinfo records ending in *jsp in the USRTRAFFIC_R table)
FO_OITEM_T	Table size = (sum of the column sizes in bytes) * (maximum incremental number of ORDERITEMS_R records)
ORDER_CURRENCY_REF	Table size = (sum of the column sizes in bytes) * (maximum incremental number of ORDERS_R records)
ORD_CREATE_DATE	Table size = (sum of the column sizes in bytes) * (maximum incremental number of ORDERITEMS_R records)
RPT_MEMBER_T	Table size = (sum of the column sizes in bytes) * (maximum number of non-repeat_customer records in the wca.member table)
TEM_CURRENCY_CON	This table never has more than 1000 rows.
T_ORDERS_PER_HOUR	Table size = (sum of the column sizes in bytes) * (maximum incremental number of ORDERS_R records)

**For tables using the IWH schema, use the following formula:**

Table size =  
 (sum of the column sizes in bytes) \*  
 (Average number of inserts, deletes, and updates) \*  
 (exception factor)

For more information on IWH schemas, see the IBM DB2 Warehouse Manager product documentation.

These sizings must allow enough space for the initial replication and extraction. You can calculate the ongoing space requirements using these formulas. The sizing must allow for initial load. Space can be recovered using the results of the previously-defined formulas.

Exceptions to the formulas are the IWH.USRTRAFFIC\_R and IWH.CPGNLOG\_R tables. These two tables are processed with the *condensed* replication option. All staging tables, identified by appending *\_R* to the table name, are processed with the *condensed* replication option. The condensed staging table contains only the most current value for each row from the source table. Whereas, a *noncondensed* table contains all changes made to each row in the source table, that is, it represents the history of changes to each row.

**Use the following formula for the IWH.USRTRAFFIC\_R and IWH.CPGNLOG\_R tables:**

Table size = (sum of column sizes and bytes) \* (average daily volumes)

**Note:** The previous formula assumes that you conduct incremental processing daily. However, this processing might take place several times per day, weekly, or monthly.

The sizes and table space names for tables with the ASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schemas are shown in the following table:

Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
<b>Tables in ASN schema</b>					
IBMSNAP_APPLYTRAIL	WCA_TMPTS	1,078	1,000	1,078,000	263
IBMSNAP_CCPPARMS	WCA_TMPTS	16	1,000	16,000	4
IBMSNAP_CRITSEC	WCA_TMPTS	18	1,000	1,8000	4
IBMSNAP_PRUNCNTL	WCA_TMPTS	176	1,000	176,000	43
IBMSNAP_PRUNE_LOCK	WCA_TMPTS	1	1,000	1,000	0
IBMSNAP_REGISTER	WCA_TMPTS	469	1,000	46,9000	115
IBMSNAP_SCHEMA_CHG	WCA_TMPTS	46	1,000	46,000	11
IBMSNAP_SUBS_COLS	WCA_TMPTS	349	1,000	349,000	85
IBMSNAP_SUBS_EVENT	WCA_TMPTS	38	1,000	38,000	9
IBMSNAP_SUBS_MEMBR	WCA_TMPTS	627	1,000	627,000	153
IBMSNAP_SUBS_SET	WCA_TMPTS	166	1,000	166,000	41
IBMSNAP_SUBS_STMTS	WCA_TMPTS	1,115	1,000	1,115,000	272
IBMSNAP_SUBS_TGTS	WCA_TMPTS	83	1,000	83,000	20
IBMSNAP_TRACE	WCA_TMPTS	272	1,000	272,000	66
IBMSNAP_UOW	WCA_TMPTS	79	1,000	79,000	19
IBMSNAP_WARM_START	WCA_TMPTS	45	1,000	45,000	11
<b>Tables in IWH schema</b>					
ACCOUNT_R	WCA_TMPTS	280	1,000	280,000	68
ADDRESS_R	WCA_TMPTS	2,350	1,000	2,350,000	574
ATTRIBUTE_R	WCA_TMPTS	834	1,000	834,000	204
BASEITEM_R	WCA_TMPTS	154	1,000	154,000	38
BUYERPO_R	WCA_TMPTS	71	1,000	71,000	17
CAMPAIGN_R	WCA_TMPTS	427	1,000	427,000	104
CATALOGDSC_R	WCA_TMPTS	552	1,000	552,000	135
CATALOG_R	WCA_TMPTS	302	1,000	302,000	74
CATENTDESC_R	WCA_TMPTS	366	1,000	366,000	89
CATENTREL_R	WCA_TMPTS	56	1,000	56,000	14
CATENTRY_R	WCA_TMPTS	290	1,000	290,000	71
CATENTSHIP_R	WCA_TMPTS	136	1,000	136,000	33
CATGPENREL_R	WCA_TMPTS	56	1,000	56,000	14
CATGRPDESC_R	WCA_TMPTS	552	1,000	552,000	135
CATGRPREL_R	WCA_TMPTS	64	1,000	64,000	16
CATTOGRP_R	WCA_TMPTS	48	1,000	48,000	12
CONTRACT_R	WCA_TMPTS	314	1,000	314,000	77

Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables (continued)

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
CPGNLOG_R	WCA_TMPTS	314	1,000	314,000	77
CPGNSTAT_R	WCA_TMPTS	56	1,000	56,000	14
CURCONVERT_R	WCA_TMPTS	80	1,000	80,000	20
EMSPORT_R	WCA_TMPTS	33,342	1,000	33,342,000	8,140
FFMCENTDS_R	WCA_TMPTS	124	1,000	124,000	30
FFMCENTER_R	WCA_TMPTS	298	1,000	298,000	73
ICCNCPNLNK_R	WCA_TMPTS	40	1,000	40,000	10
ICCONSTRNT_R	WCA_TMPTS	67	1,000	67,000	16
ICEXPLFEAT_R	WCA_TMPTS	70	1,000	70,000	17
ICFEATPROP_R	WCA_TMPTS	104	1,000	104,000	25
ICKNOWDESC_R	WCA_TMPTS	1,073	1,000	1,073,000	262
ICKNOWLEDG_R	WCA_TMPTS	156	1,000	156,000	38
ICMETAPHOR_R	WCA_TMPTS	434	1,000	434,000	106
ICMETAREG_R	WCA_TMPTS	136	1,000	136,000	33
ICMREGDESC_R	WCA_TMPTS	140	1,000	140,000	34
IITEMLIST_T	WCA_TMPTS	48	1,000	48,000	12
IITEM_R	WCA_TMPTS	86	1,000	86,000	21
INITIATIVE_R	WCA_TMPTS	118	1,000	118,000	29
INTVSCHED_R	WCA_TMPTS	68	1,000	68,000	17
ITEMSPC_R	WCA_TMPTS	131	1,000	131,000	32
LISTPRICE_R	WCA_TMPTS	63	1,000	63,000	15
MBRATTR_R	WCA_TMPTS	309	1,000	309,000	75
MBRATTRVAL_R	WCA_TMPTS	32,759	1,000	32,759,000	7,998
MEMBER_R	WCA_TMPTS	46	1,000	46,000	11
OFFERDESC_R	WCA_TMPTS	298	1,000	298,000	73
OFFERPRICE_R	WCA_TMPTS	83	1,000	83,000	20
OFFER_R	WCA_TMPTS	122	1,000	122,000	30
ORDERITEMS_R	WCA_TMPTS	244	1,000	244,000	60
ORDERS_R	WCA_TMPTS	229	1,000	229,000	56
ORDPAYMTHD_R	WCA_TMPTS	133	1,000	133,000	32
ORDSTAT_R	WCA_TMPTS	78	1,000	78,000	19
ORGENTITY_R	WCA_TMPTS	3,585	1,000	3,585,000	875
PARTICIPNT_R	WCA_TMPTS	68	1,000	68,000	17
PASTATS_R	WCA_TMPTS	52	1,000	52,000	13
PCSTATS_R	WCA_TMPTS	52	1,000	52,000	13
PESTATS_R	WCA_TMPTS	52	1,000	52,000	13
QTYUNITDSC_R	WCA_TMPTS	305	1,000	305,000	74
RFQPROD_R	WCA_TMPTS	95	1,000	95,000	23

Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables (continued)

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
RFQ_R	WCA_TMPTS	340	1,000	340,000	83
RFQRSPPRD_R	WCA_TMPTS	103	1,000	103,000	25
RFQRSP_R	WCA_TMPTS	1,052	1,000	1,052,000	257
SASTATS_R	WCA_TMPTS	56	1,000	56,000	14
SHIPMODE_R	WCA_TMPTS	100	1,000	100,000	24
STADDRESS_R	WCA_TMPTS	420	1,000	420,000	103
STOREENTDS_R	WCA_TMPTS	124	1,000	124,000	30
STOREENT_R	WCA_TMPTS	48	1,000	48,000	12
STORELANG_R	WCA_TMPTS	43	1,000	43,000	10
STORE_R	WCA_TMPTS	55	1,000	55,000	13
TRADING_R	WCA_TMPTS	80	1,000	80,000	20
TRDDEPAMT_R	WCA_TMPTS	86	1,000	86,000	21
TRDREFAMT_R	WCA_TMPTS	70	1,000	70,000	17
TRDTYPEDSC_R	WCA_TMPTS	32,740	1,000	32,740,000	7,993
USERDEMO_R	WCA_TMPTS	449	1,000	449,000	110
USERPROF_R	WCA_TMPTS	421	1,000	421,000	103
USERS_R	WCA_TMPTS	103	1,000	103,000	25
USRTRAFFIC_R	WCA_TMPTS	99,303	1,000	99,303,000	24,244
WTAXINFO_R	WCA_TMPTS	69	1,000	69,000	17
<b>Tables in WCA schema</b>					
ACCOUNT	WCA_ACCOUNT	262	1,000	262,000	64
ADDRESS	WCA_ADDRESS	1,947	1,000	1,947,000	475
ATTRIBUTE	WCA_ATTRIBUTE	348	1,000	348,000	85
ATTRIBUTE_BIN	WCA_ATTRIBUTE_BIN	206	1,000	206,000	50
BASEITEM	WCA_BASEITEM	132	1,000	132,000	32
CAMP_INIT_MPE_REL	WCA_CAMP_REL	34	1,000	34,000	8
CONTRACT	WCA_CONTRACT	300	1,000	300,000	73
ACCT_STATUS_REF	WCA_DATA	118	1,000	118,000	29
ADDRESS_TYPE_REF	WCA_DATA	59	1,000	59,000	14
AGE_RANGE_REF	WCA_DATA	106	1,000	106,000	26
ALL_STORES_PARAM	WCA_DATA	11	1,000	11,000	3
APPLY_INIT	WCA_DATA	54	1,000	54,000	13
APPLY_MEMBER	WCA_DATA	70	1,000	70,000	17
APPLY_RESULT	WCA_DATA	62	1,000	62,000	15
APV_STATUS_REF	WCA_DATA	59	1,000	59,000	14
BROWSER	WCA_DATA	272	1,000	272,000	66
BUYERPOTYP_REF	WCA_DATA	91	1,000	91,000	22

Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables (continued)

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
CAMPAIGN	WCA_DATA	416	1,000	416,000	102
CATALOG	WCA_DATA	276	1,000	276,000	67
CATALOG_REF	WCA_DATA	534	1,000	534,000	130
CATEGORY_REF	WCA_DATA	534	1,000	534,000	130
CONCEPT_HIERARCHY	WCA_DATA	30	1,000	30,000	7
CONCEPT_REF	WCA_DATA	654	1,000	654,000	160
CON_STATUS_REF	WCA_DATA	214	1,000	214,000	52
CONSTRAINTS	WCA_DATA	57	1,000	57,000	14
CUR_CONVERT_HIST	WCA_DATA	60	1,000	60,000	15
CURRENCYCONVERSION	WCA_DATA	60	1,000	60,000	15
DAY_OF_FM_REF	WCA_DATA	62	1,000	62,000	15
DAY_OF_FY_REF	WCA_DATA	62	1,000	62,000	15
DAY_OF_WK_REF	WCA_DATA	62	1,000	62,000	15
DAY_RANGE_REF	WCA_DATA	308	1,000	308,000	75
DR_MEMBER_TYPE_REF	WCA_DATA	37	1,000	37,000	9
EVENT_TYPE_REF	WCA_DATA	77	1,000	77,000	19
FACT_CPGN_STATS	WCA_DATA	62	1,000	62,000	15
FACT_METAPHOR	WCA_DATA	110	1,000	110,000	27
FEATURES	WCA_DATA	52	1,000	52,000	13
FFMCENTER	WCA_DATA	620	1,000	620,000	151
HOUR	WCA_DATA	34	1,000	34,000	8
HOUR_AMPM_REF	WCA_DATA	64	1,000	64,000	16
HOUR_TYPE_REF	WCA_DATA	404	1,000	404,000	99
INCOME_REF	WCA_DATA	406	1,000	406,000	99
INITIATIVE	WCA_DATA	179	1,000	179,000	44
INVNTY_STAT_REF	WCA_DATA	90	1,000	90,000	22
LANGUAGE_REF	WCA_DATA	22	1,000	22,000	5
LAST_UPDATED_REF	WCA_DATA	28	1,000	28,000	7
MARITAL_STAT_REF	WCA_DATA	59	1,000	59,000	14
MEMBER_TYPE_REF	WCA_DATA	57	1,000	57,000	14
META_FEAT_REL	WCA_DATA	90	1,000	90,000	22
METAPHOR	WCA_DATA	424	1,000	424,000	104
METAPHOR_TYPE_REF	WCA_DATA	122	1,000	122,000	30
MON_OF_FY_REF	WCA_DATA	62	1,000	62,000	15
MPE_TYPE_REF	WCA_DATA	340	1,000	340,000	83
MPF_TYPE_REF	WCA_DATA	59	1,000	59,000	14
ORDER_STATUS_REF	WCA_DATA	151	1,000	151,000	37
ORGANIZATION	WCA_DATA	2,815	1,000	2,815,000	687

Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables (continued)

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
ORIGIN_REF	WCA_DATA	92	1,000	92,000	22
PARAMETERS	WCA_DATA	82	1,000	82,000	20
PARTROLE_REF	WCA_DATA	136	1,000	136,000	33
PER_AGGR_REF	WCA_DATA	62	1,000	62,000	15
PER_DESC_REF	WCA_DATA	202	1,000	202,000	49
PRODUCT	WCA_DATA	367	1,000	367,000	90
QTR_OF_FY_REF	WCA_DATA	62	1,000	62,000	15
RANK_RANGE_REF	WCA_DATA	308	1,000	308,000	75
REFERENCE	WCA_DATA	340	1,000	340,000	83
RFQ_ENDRES_REF	WCA_DATA	59	1,000	59,000	14
RFQ_STATUS_REF	WCA_DATA	59	1,000	59,000	14
RSP_STATUS_REF	WCA_DATA	96	1,000	96,000	23
SEG_ATTRIBUTE_REF	WCA_DATA	368	1,000	368,000	90
SEGMENT	WCA_DATA	360	1,000	360,000	88
SEGMENTATION	WCA_DATA	364	1,000	364,000	89
SHIPMODE	WCA_DATA	82	1,000	82,000	20
STORE	WCA_DATA	66	1,000	66,000	16
STORE_REF	WCA_DATA	486	1,000	486,000	119
TRADETYPE_REF	WCA_DATA	106	1,000	106,000	26
TRD_STATUS_REF	WCA_DATA	92	1,000	92,000	22
WK_OF_FM_REF	WCA_DATA	64	1,000	64,000	16
WK_OF_FQ_REF	WCA_DATA	64	1,000	64,000	16
WK_OF_FY_REF	WCA_DATA	64	1,000	64,000	16
FACT_EVENT	WCA_FACT_EVENT	98,695	1,000	98,695,000	24,095
FACT_PA	WCA_FACT_META	50	1,000	50,000	12
FACT_PC	WCA_FACT_META	58	1,000	58,000	14
FACT_PE	WCA_FACT_META	50	1,000	50,000	12
FACT_SA	WCA_FACT_META	54	1,000	54,000	13
FACT_VISITS	WCA_FACT_VISIT	98,572	1,000	98,572,000	24,065
FACT_INTEREST	WCA_FT_INT_ATTR	128	1,000	128,000	31
FACT_INTEREST_LIST	WCA_FT_INT_LIST	99	1,000	99,000	24
ITEMSPC	WCA_ITEMSPC	113	1,000	113,000	28
MEMBER	WCA_MEMBER	1,694	1,000	1,694,000	414
MPE	WCA_MPE	344	1,000	344,000	84
OFFER	WCA_OFFER	121	1,000	121,000	30
OFFER_DESC	WCA_OFFERDESC	280	1,000	280,000	68
OFFER_PRICE	WCA_OFFERPRICE	45	1,000	45,000	11
FACT_ORDERITEMS	WCA_ORDERITEM	701	1,000	701,000	171

Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables (continued)

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
FACT_ORDERS	WCA_ORDERS	612	1,000	612,000	149
PARTICIPNT	WCA_PARTICIPNT	54	1,000	54,000	13
PERIOD	WCA_PERIOD	106	1,000	106,000	26
GENDER_REF	WCA_PROD_ATTR	62	1,000	62,000	15
PROD_ATTR_REF	WCA_PROD_ATTR	788	1,000	788,000	192
PRODUCT_ATTRIBUTE	WCA_PROD_ATTR	30	1,000	30,000	7
PRODUCT_REF	WCA_PRODDESC	348	1,000	348,000	85
PRODUCT_HIERARCHY	WCA_PRODHIER	356	1,000	356,000	87
RFM	WCA_RFM	90	1,000	90,000	22
RFM_ATTR_LIST	WCA_RFMATTR	318	1,000	318,000	78
RFM_MEMBER	WCA_RFMMBR	332	1,000	332,000	81
RFM_TRADING	WCA_RFMTRAD	352	1,000	352,000	86
RFQ	WCA_RFQ	322	1,000	322,000	79
RFQ_REQPRD	WCA_RFQREQPRD	77	1,000	77,000	19
RFQ_RSP	WCA_RFQRSP	1,034	1,000	1,034,000	252
RFQ_RSPPRD	WCA_RFQRSPPRD	85	1,000	85,000	21
SUM_MEMBER	WCA_SUMMBR	67	1,000	67,000	16
SUM_TRADING	WCA_SUMTRAD	67	1,000	67,000	16
TRADING	WCA_TRADING	62	1,000	62,000	15
EMSPOT		340	1,000	340,000	83
MEMBER_ORDERS		12	1,000	12,000	3
MEMBER_WISHES		12	1,000	12,000	3
RESULTTYPE_REF		340	1,000	340,000	83
<b>Tables in WCAETL schema</b>					
BROWSER1_INFO	WCA_TMPTS	245	1,000	245,000	60
BUYERPO_PAYMTHD	WCA_TMPTS	35	1,000	35,000	9
CAMP_PERIOD	WCA_TMPTS	26	1,000	26,000	6
CURR_CONV	WCA_TMPTS	18	1,000	18,000	4
DMT_MEMBER_T	WCA_TMPTS	16	1,000	16,000	4
FE_CLICKS_T	WCA_TMPTS	62	1,000	62,000	15
FE_FOL_T	WCA_TMPTS	105	1,000	105,000	26
FE_REFURL_T	WCA_TMPTS	148	1,000	148,000	36
FE_UPDS_T	WCA_TMPTS	101	1,000	101,000	25
FM_FOL_T	WCA_TMPTS	82	1,000	82,000	20
FM_UPDATE_T	WCA_TMPTS	34	1,000	34,000	8
FM_UPDS_T	WCA_TMPTS	66	1,000	66,000	16
FO_OITEM_T	WCA_TMPTS	107	1,000	107,000	26



Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables (continued)

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
ORD_CREATE_DATE	WCA_TMPTS	34	1,000	34,000	8
ORDER_CURRENCY_REF	WCA_TMPTS	11	1,000	11,000	3
ORDERITEM_OFFER	WCA_TMPTS	47	1,000	47,000	11
ORDERITEMS_TRADING	WCA_TMPTS	36	1,000	36,000	9
REPLICATION_HISTORY	WCA_TMPTS	66	1,000	66,000	16
RPT_MEMBER_T	WCA_TMPTS	16	1,000	16,000	4
TEM_CURRENCYCON	WCA_TMPTS	60	1,000	60,000	15
TMP_SUM	WCA_TMPTS	24	1,000	24,000	6
T_ORDERS_PER_HOUR	WCA_TMPTS	26	1,000	26,000	6
WCA_TRACE	WCA_TMPTS	202	1,000	202,000	49
AGE_V		24	1,000	24,000	6
DMT_PROSPECT_V		36	1,000	36,000	9
DMT_PURCHASER_V		36	1,000	36,000	9
FE_ORD_STATUS_V		36	1,000	36,000	9
FM_ORD_STATUS_V		36	1,000	36,000	9
GENDER_REF_V		14	1,000	14,000	3
INCOME_V		132	1,000	132,000	32
MARITAL_STAT_REF_V		9	1,000	9,000	2
MEMBER_TYPE_REF_V		7	1,000	7,000	2
PROSPECT_COUNT_V		12	1,000	12,000	3
PURCHASER_COUNT_V		12	1,000	12,000	3
<b>Tables in WCAMNG schema</b>					
ACCOUNTSUM	WCA_TMPTS	77	1,000	77,000	19
ACNTAPP01	WCA_TMPTS	42	1,000	42,000	10
ACNTAPP02	WCA_TMPTS	42	1,000	42,000	10
APPTABS	WCA_TMPTS	52	1,000	52,000	13
ARFQAPP01	WCA_TMPTS	42	1,000	42,000	10
ARFQAPP02	WCA_TMPTS	42	1,000	42,000	10
CNTRAPP01	WCA_TMPTS	42	1,000	42,000	10
CNTRAPP02	WCA_TMPTS	42	1,000	42,000	10
CONTRACTSUM	WCA_TMPTS	61	1,000	61,000	15
DATATABS	WCA_TMPTS	560	1,000	560,000	137
INITAPP11	WCA_TMPTS	38	1,000	38,000	9
INITAPP12	WCA_TMPTS	38	1,000	38,000	9
INITCHARS	WCA_TMPTS	89	1,000	89,000	22
MEMAPP21	WCA_TMPTS	42	1,000	42,000	10
MEMAPP22	WCA_TMPTS	42	1,000	42,000	10

Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables (continued)

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
MEMAPP31	WCA_TMPTS	42	1,000	42,000	10
MEMAPP32	WCA_TMPTS	42	1,000	42,000	10
MEMAPP41	WCA_TMPTS	42	1,000	42,000	10
MEMAPP42	WCA_TMPTS	42	1,000	42,000	10
MEMAPP51	WCA_TMPTS	42	1,000	42,000	10
MEMAPP52	WCA_TMPTS	42	1,000	42,000	10
MEMAPP61	WCA_TMPTS	42	1,000	42,000	10
MEMAPP62	WCA_TMPTS	42	1,000	42,000	10
MEMAPP91	WCA_TMPTS	42	1,000	42,000	10
MEMAPP92	WCA_TMPTS	42	1,000	42,000	10
MEMBSUMS	WCA_TMPTS	607	1,000	607,000	148
MEMBSUMSAMP	WCA_TMPTS	607	1,000	607,000	148
MEMCTGSUMT	WCA_TMPTS	63	1,000	63,000	15
MEMCTGYSAMP	WCA_TMPTS	537	1,000	537,000	131
MEMCTGYSUM	WCA_TMPTS	537	1,000	537,000	131
MEMORDSAMP	WCA_TMPTS	538	1,000	538,000	131
MEMORDSUM	WCA_TMPTS	538	1,000	538,000	131
MEMPRODSAMP	WCA_TMPTS	549	1,000	549,000	134
MEMPRODSUM	WCA_TMPTS	549	1,000	549,000	134
MODELS	WCA_TMPTS	596	1,000	596,000	146
ORDAPP71	WCA_TMPTS	50	1,000	50,000	12
ORDAPP72	WCA_TMPTS	50	1,000	50,000	12
PRODAPP81	WCA_TMPTS	50	1,000	50,000	12
PRODAPP82	WCA_TMPTS	50	1,000	50,000	12
PRODAPP83	WCA_TMPTS	50	1,000	50,000	12
PRODAPP84	WCA_TMPTS	50	1,000	50,000	12
ABDNSUMV		12	1,000	12,000	3
ACNTRANKV		16	1,000	16,000	4
ACNTSUMV		16	1,000	16,000	4
CNTRRANKV		16	1,000	16,000	4
INITCAMPV		8	1,000	8,000	2
INITMPESV		12	1,000	12,000	3
INITRANKV		12	1,000	12,000	3
INITSTATSV		20	1,000	20,000	5
INITSUMV		39	1,000	39,000	10
INITSV		35	1,000	35,000	9
LMNINITSUMV		39	1,000	39,000	10
LMNINITSV		35	1,000	35,000	9

Table 2. ASNASN, IWH, WCA, WCAETL, WCAMNG, and WCATMP schema tables (continued)

Table Name	Table Space Name	Sum of column sizes (in bytes)	Number of rows	Size (in Bytes)	Number of Pages (Size ÷ 4096)
LMNORDSUMV		74	1,000	74,000	18
LWKINITSUMV		39	1,000	39,000	10
LWKINITSV		35	1,000	35,000	9
LWKORDSUMV		74	1,000	74,000	18
MEMCTGSUMV		63	1,000	63,000	15
MEMRANKV		40	1,000	40,000	10
METASUMV		12	1,000	12,000	3
NUMACNTV		4	1,000	4,000	1
NUMCNTRV		4	1,000	4,000	1
NUMINITSV		4	1,000	4,000	1
NUMMEMSV		4	1,000	4,000	1
NUMORDSV		4	1,000	4,000	1
ORDRANKV		16	1,000	16,000	4
ORDSUMV		74	1,000	74,000	18
PRDCTGYV		24	1,000	24,000	6



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## Appendix B. WCA steps and ETL flow order

This appendix contains information about the WCA ETL (extract, transform, and load) processes. ETL processes are the functions performed when pulling data out of one database and placing it into another of a different type.

You can determine how WCA runs steps in the IBM DB2 Warehouse Manager. An ETL flow contains one starting step and one ending step, and all steps in-between are linked together using DB2 Warehouse Manager-controlled links. In WCA, DB2 Warehouse Manager does not tell you the order in which these separate ETL flows are run.

To view an html file that shows each of the WCA steps and ETL flow, the order in which they are run, and a description of each, open a browser and type the following in the file location field:

```
%IWDA_DIR%/doc/locale/wca_steps_ETL_flows.htm
```



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## Glossary

### A

**ad (or advertisement).** A piece of marketing collateral that is published or broadcast to increase awareness about a product or service. On the Web, the most common type is the banner advertisement.

### B

**business question.** A question that is answered in a business report regarding specific information about the success of different campaigns, initiatives, and the customers who are using the store.

### C

**campaign.** A planned series of operations that are pursued to achieve a defined set of business objectives. In retail marketing, an initiative is a common technique used to achieve campaign objectives.

**column.** In a relational database management system, the name for an attribute. The collection of column values that form the description of a particular entity is called a row. A column is equivalent to a field in a record in a nonrelational file system.

**customer session data.** Information gathered from customers during the time they visit the online store.

**customization.** User additions or changes to WCA to more closely fit an individual e-commerce business model.

### D

**Database Managed Storage (DMS).** Type of data storage in which the table space is managed by the database administrator. The size of the table space is specified and the space allocated when the tables are created.

**datamart.** A subset of a data warehouse that contains data tailored for the specific needs of a department or team. A datamart can be a subset of a warehouse for your entire organization, such as data contained in OLAP tools.

**data mining.** The process of collecting critical business information from a data warehouse, correlating it and uncovering associations, patterns, and trends.

### E

**ETL.** Extract, Transform, and Load. The functions performed when pulling data out of one database and placing it into another of a different type.

**extension.** User additions to WCA components (for example, new reports or new datamart tables).

**extraction.** Pulling data out of a database. For WCA, the process of moving data from temporary tables on the WCA server to the WCA datamart. The data in the temporary tables was replicated from the WebSphere Commerce database.

**extraction time window.** The window of time between the last time the WCA Extraction was run for this source and the current time. For WebSphere Commerce 5.5 sources, this is indicated by the WCA parameters `TIME_CUT_OFF` and `TIME_CUT_OFF_PREV`.

### F

**fulfillment.** The process that occurs when an order is received. Fulfillment processes often include tasks such as order management, shipping management, returns, and status tracking.

### I

**impression.** Represents the collaboration of a campaign, an initiative, and an e-marketing spot on a Web page to provide information to customers and allow customers to take advantage of that information by clicking on a link associated with that collaboration.

**initiative.** An applied technique used to encourage a specific behavior such as purchasing a product.

### M

**metaphor.** A WebSphere Commerce feature provided as part of the Product Advisor component. It provides three usage paradigms (or metaphors) for a shopper to navigate products: Product Explorer, Sales Assistant, and Product Comparison. The Product Explorer metaphor allows the user to set some feature requirements (constraints) for a product (cost, color, type, and so on) and search for matching products. The Sales Assistant metaphor is targeted towards shoppers who are not familiar with the product details and cannot set feature requirements. This metaphor asks a series of questions from which it infers what products the customer wants. The Product Comparison

metaphor allows users to compare two or more products. For further information on metaphors, see the WebSphere Commerce documentation.

**mining base.** A repository where all the information about the mining run settings and the corresponding results is stored.

## O

**ODBC name.** The Open Database Connectivity name of the database.

**ODS.** Operation Data Store. The working area for the ETL processing. The data from WebSphere Commerce is replicated to ODS (\_r tables).

## P

**PMML.** Predictive Model Markup Language. An XML-based language defined by the Data Mining Group that provides a way for companies to define predictive models and share models between compliant vendors' applications.

**Product Comparison.** Product Comparison is a metaphor that allows users to compare two or more products.

**Product Explorer.** Product Explorer is a metaphor that allows the user to set some feature requirements (constraints) for a product (cost, color, type, and so on) and search for matching products.

## R

**replication.** The process of maintaining a defined set of data in more than one location. It involves copying designated changes for one location to another, and synchronizing the data in both locations. For WCA, the process of moving data from the WebSphere Commerce database into temporary tables on the WCA server.

**reporting application.** A program that gathers information about the customers and sales transactions of a business.

**revision.** User changes to existing WCA components (for example, reports or datamart tables).

**RFM.** Recency, frequency, monetary. A technique used to determine which customers are the best ones by examining how recently a customer has purchased (recency), how often they purchase (frequency), and how much the customer spends (monetary).

**RFQ.** Request for quotation. An invitation to suppliers to bid on supplying described products or services needed by a company or public agency.

## S

**Sales Assistant.** Sales Assistant is a metaphor that is targeted towards shoppers who are not familiar with the product details and cannot set feature requirements.

**System Managed Storage (SMS).** The type of data storage in which the operating system manages the tables space, which is limited by the size of the hard disk. Data is stored randomly on the hard disk under the table space's directory container (the directory name in the file system).

## T

**table.** A named data object consisting of a specific number of columns and some unordered rows.

## U

**User Registration properties file.** A file on the WebSphere Commerce server that contains information needed to support the correct language and country for a store.

## V

**view.** An alternative representation of data from one or more tables. A view can include all or some of the columns in the table or tables on which it is defined.

## W

**Warehouse Center Control Database.** The Warehouse Center database that contains the control tables that are required to store Warehouse Center metadata.

**WebSphere Application Server.** A comprehensive Java 2 Platform, Enterprise Edition (J2EE) 1.3 and Web services technology-based application server that integrates enterprise data and transactions with the e-business world. Through a rich application deployment environment, you can build, manage and deploy dynamic e-business applications, handle high-transaction volumes and extend back-end business data and applications to the Web.

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